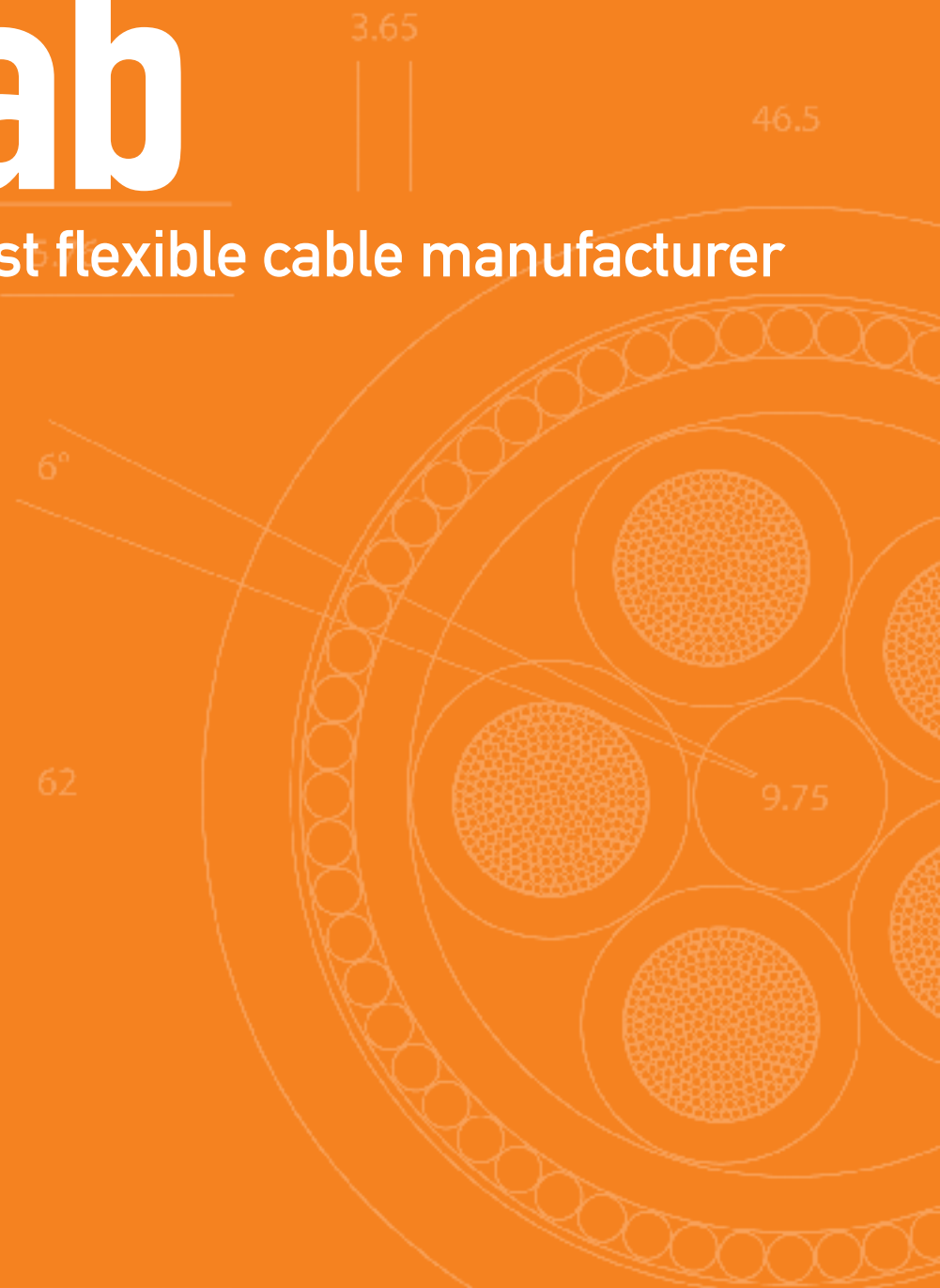


18

tricab

the world's most flexible cable manufacturer



Industrial Pocket Edition
ISSUE 18.0

www.tricab.com 



PEACE of MIND

When you buy cable, how do you ensure safety and compliance to Standards? In many countries, no testing or certification is required before an electrical cable can be imported or sold.

It is really left up to the Buyer's judgement, without the benefit of any local testing or verification. More worrying, however, is the fact that most cable failures don't occur immediately. They require electric current and time to reveal their faults, and everything may appear quite normal, until a critical threshold is exceeded - a ticking time bomb!

Very often, the failure takes the form of Insulation Breakdown, which may result in short circuits, sparking and fire propagation. The real cost of repair and replacement is an order of magnitude greater than the original cable cost.

TriCab has invested millions of dollars into a comprehensive quality system that tests and certifies all our cables. Within our state of the art laboratories, specialist technicians continuously test production batches to ensure they comply with standards. Our extensive facilities include four different fire chambers that allow us to test cable performance under a variety of installation and flame conditions. Our electrical laboratory tests all cable constructions up to voltages of 33KV and includes a purpose built Medium Voltage test facility.

We are currently working towards international accreditation for our testing facilities, and we are routinely audited by global organizations, such as ABS, DNV, Lloyds, BV, ISO and UL.

Every metre of cable supplied has a unique Tracking Reference, that allows us to trace the cable back to each machine, process, operator and material that was involved in its production.

**We do all of this for one very compelling reason -
Your Safety, Our Peace Of Mind.**



Welcome to Issue 18.0 of our industrial catalogue, pocket edition.

Apart from the new format, there are many changes in this publication.

We are very excited to introduce our innovative range of FLEXIBLE MV cables, up to 33KV. They are available in four versions - Unarmoured, Unarmoured LSZH, Armoured and Termite-Resistant. This is another unique product range, designed and manufactured 100% inhouse, setting a new benchmark for MV cable performance.

We have also enhanced our product offering across most market segments.

This continues the rollout of our new flexible 110°C E-Rubber cable family, all incorporating the revolutionary TriCab Low Friction Jacket. We have added a 450V range of flexible power and control cables, as well as an expanded range of instrumentation cables.

We hope that you find the exact cable that you are looking for in this catalogue. However, if you don't, TriCab can tailor-make a cable that meets or exceeds your requirements.

Sincerely

Allan Greenfield
TriCab Group



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Termite Resistant NYLON EXTRUDED

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Features and Benefits

FEATURES

- **Fine Copper Stranding** - TriCab uses very fine copper wire for all conductors, in accordance with AS/NZS 1125 and IEC 60228 Class 5&6.
- **Round Concentric Cores** - TriCab exclusively manufactures round cores throughout its entire size range, and does not use sectorial conductors.
- **Lightweight** - TriCab has developed specific product ranges that have reduced weight.
- **Small OD** - TriCab has developed specific product ranges that have reduced OD's.
- **Flexible Construction** - TriCab uses a combination of fine wire conductors and special compounds in the manufacturing process to produce a very flexible cable.
- **Metre Marking** - All TriCab cables are metre marked with descending numbering as standard (feet marking also available).
- **Product Marking** - TriCab offers personalised text messages printed directly onto the cable at regular intervals, even for short lengths.
- **Packaging/Labelling** - TriCab can provide packaging and labelling to suit the customer's individual requirements.
- **Global Distribution** - TriCab operates its own network of company offices and warehouses worldwide. We currently have operations in Australia, New Zealand, North America, Asia, Europe and the Middle East.
- **Research and Development** - TriCab maintains a very active R&D programme, working very closely with our sales team and customers. In conjunction with our in-house laboratory, we are continually improving cable performance.
- **Quick Response** - TriCab has invested in manpower, machinery and materials to provide a short leadtime manufacturing capability.
- **Reliable Long-Term Partner** - TriCab has been supplying innovative cable solutions since 1978. We believe in long term partnerships and have a solid track record of successfully completing projects worldwide.
- **Approvals** - TriCab maintains approvals from numerous certification bodies, including LR, DNV, ABS, BV, GL, UL, CSA. If required, we also obtain specific case approval.
- **Quality Accreditation** - TriCab operates an accredited quality system in accordance with ISO 9001:2008 within our manufacturing plant and our global offices and warehouses.

BENEFITS

- Significantly increased flexibility has numerous practical benefits, including reduced installation time and easier cable handling. These benefits translate directly into reduced installation time and cost. Fine stranded conductors also offer improved performance and reliability when subjected to vibration.
- Standard lugs, terminals and connectors can be used. Saving installation time, inventory and cost - also providing better electrical contact with standard round lugs.
- Especially relevant in the shipbuilding industry where weight saving translates into improved performance and overall cost benefits. Makes handling much easier during installation.
- Additional cables can be installed within a specified cable tray, ladder or conduit. A smaller bending radius benefits tight configurations and smaller glands reduce cost.
- Reduced installation time and cost. Improved bending radius and safer cable handling (especially larger sizes).
- Assists the installation process and enables accurate stock management.
- Project reference codes, company name, part numbers, quality data and marketing information can all be clearly marked.
- Spools and drums individually labelled and packaged for easier identification and handling on project sites.
- We support customer projects wherever they may be. This streamlines logistics, increases supply reliability and saves time and money.
- New cable technologies are introduced to our customers on an ongoing basis.
- When cable is needed urgently, due to an emergency or unexpected contingency, TriCab has the systems in place to fast-track the manufacturing process. Reducing downtime and ultimately saving time and money.
- We believe that satisfied customers are our strength and we do everything in our power to ensure that we both grow and prosper over the long term.
- Reliable certification simplifies the task for procurement and engineering, saving time and money. It also allows cables left over from one project to be used for future projects.
- We continually improve our quality performance, which in turn provides improved products and services to our customers.

A faster, easier and safer way to strip your cable.

The TriCab Easy Strip system, enables you to efficiently and reliably remove both insulation and jacket from single and multi-core cables.

Our in-house technology has eliminated conventional tape and talc, used in most cables. TriCab innovation makes stripping and terminating both clean and fast.



FEATURES & BENEFITS

- ***Ease of stripping***
- ***Reduces termination time and thereby increases productivity and efficiency.***
- ***Prevents OH&S related injuries***
- ***Eliminates messy talc and tape***
- ***Available on all products***

CABLE STRIPPING PROCEDURE

- 1** Use high performance cable stripping tool for best results
- 2** Check blade depth and adjust accordingly
- 3** Place tool onto Insulation or Jacket and rotate 2-3 times around cable
- 4** Gently pull away the stripped cable section

** This new production technology is being progressively rolled out across our entire product range.



SWITCHBOARD/ PANEL



- Low Bend Radius
- Super Flexible
- Low Smoke
Zero Halogen
- High Operating
Temperatures
- Conforms to
AS/NZS, IEC and UL

The most flexible switchboard/ panel wire on the market!

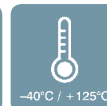


- Improved manufacturing processes have allowed for greater flexibility and a lower Bending Radius on our LS and JL products, making them the most flexible cable in their class.
- LSZH, non-toxic, non-poisonous, non-hazardous and fully compliant with ROHS and REACH directives.
- High continuous operating temperature for hazardous environments or safety margin.
- Available in plain or tinned copper.

LS

X-HF-110

Flexible LSZH Rubber Switchboard/Panel Wire 0.6/1KV 125°C



Typical Applications

Flexible LSZH, Flame Retardant single insulated cable for wiring switchboards, electronic equipment, instrumentation and control systems. Also used as a fixed earth for mains and sub-mains.



Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® R-125 (X-HF-110), Flame Retardant, Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. 125°C max operating temperature conforms to UL1581. Anti-Termite/Rodent Insulation is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.1 IEC 60332-1
AS/NZS 1660.5.2 IEC 60332-3-22
AS/NZS 1660.5.4 IEC 60754-2
AS/NZS 1660.5.6 IEC 61034-1&2
AS/NZS 3008.1
AS/NZS 3808
AS/NZS 5000.1



Standard Core Colours



WH

RE

BK

BL

OR

GY

BR

PU

PI

EA

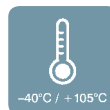
NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c 0.5	6	0.95	2.4	10	13	13
1c 0.75	7	1.2	2.6	13	16	16
1c 1	7	1.3	2.7	15	22	21
1c 1.5	7	1.5	2.9	20	28	26
1c 2.5	9	2.1	3.5	30	36	34
1c 4	10	2.5	3.9	44	48	45
1c 6	11	3.1	4.5	63	61	57
1c 10	14	4.1	5.6	103	86	80
1c 16	16	5.2	6.6	155	112	105
1c 25	21	6.4	8.3	243	149	139
1c 35	24	7.8	9.7	335	184	172
1c 50	28	9.2	11.3	483	232	217
1c 70	33	10.8	13.1	659	292	273
1c 95	38	12.8	15.2	891	352	329
1c 120	43	14.5	17.1	1109	417	390
1c 150	48	16.3	19.3	1415	482	450
1c 185	54	18.0	21.4	1725	552	516
1c 240	60	20.3	23.9	2218	663	620
1c 300	66	22.5	26.4	2723	764	714
1c 400	76	26.0	30.3	3620	915	855
1c 500	85	29.2	33.9	4579	1059	990
1c 630	95	32.8	38.0	5759	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 179 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1000	1280	1600	2000	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3008	3840	4800	6080	7680	9728	12480	15680	19712

Flexible LSZH Rubber Tri-Rated Switchboard/Panel Wire 0.6/1KV 105°C



JL

XLPO-105

Typical Applications

Flexible Tri-Rated, LSZH, Flame Retardant single insulated cable for use in products for export to Europe and the USA. For wiring switchboards, electronic equipment, instrumentation and control systems.



Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® R-10 (XLPO-105), Flame Retardant, Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Anti-Termite/Rodent Insulation is Available.

Operating Temp

-40°C to +105°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.1 IEC 60332-1
AS/NZS 1660.5.2 IEC 60332-3-22
AS/NZS 1660.5.4 IEC 60754-2
AS/NZS 1660.5.6 IEC 61034-1&2
AS/NZS 3008.1 UL1581 (style code 3657)
AS/NZS 3808 UL83
AS/NZS 5000.1
CSA C22.2 no. 210.2



Standard Core Colours



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c 0.5	7	0.95	2.64	11	13	13
1c 0.75	7	1.20	2.90	14	16	16
1c 1	7	1.30	3.00	17	22	21
1c 1.5	8	1.50	3.20	22	28	26
1c 2.5	9	2.10	3.80	33	36	34
1c 4	10	2.50	4.20	47	48	45
1c 6	14	3.10	5.70	76	61	57
1c 10	18	4.10	7.30	128	86	80
1c 16	21	5.10	8.40	184	112	105
1c 25	24	6.40	9.70	275	149	139
1c 35	30	7.80	12.10	399	184	172
1c 50	34	9.20	13.60	553	232	217
1c 70	38	10.80	15.20	726	292	273
1c 95	43	12.80	17.20	969	352	329
1c 120	49	14.50	19.80	1224	417	390
1c 150	54	16.30	21.60	1527	482	450
1c 185	58	18.00	23.40	1828	552	516
1c 240	64	20.30	25.70	2216	663	620
1c 300	72	22.50	28.80	2899	764	714
1c 400	81	26.00	32.30	3779	915	855
1c 500	89	29.20	35.60	4730	1059	990
1c 630	100	32.80	40.10	5971	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 179 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	720	880	1120	1440	1760	2240	2880	3680	4608
CLASS 6	320	512	800	1120	1600	2240	3072	3968	5040	6656	8448	10752	13824	17728	22528



X-HF-110

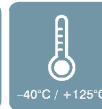
Flexible LSZH Rubber SDI (Fixed Wiring) 0.6/1KV 125°C

LOW SMOKE
ZERO HALOGEN

HIGH FLEXIBILITY



UV RESISTANT

FLAME
RETARDANT

-40°C / +125°C



600/1000 VOLTS



Typical Applications

Flexible LSZH, Flame Retardant 125°C rubber power cable with potential for downsizing. Suitable for wiring switchboards, generators, electric motors, mains, sub-mains and final sub circuits.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581.

Jacket LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60332-1
AS/NZS 1660.5.6	IEC 60332-3-22
AS/NZS 3008.1	IEC 60754-2
AS/NZS 3808	IEC 61034-1&2
AS/NZS 5000.1	



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	22	3.1	4.6	7.4	96	61	57
1c	10	25	4.1	5.6	8.4	140	86	80
1c	16	28	5.1	6.7	9.4	197	112	105
1c	25	33	6.4	8.4	11.2	291	149	139
1c	35	38	7.8	9.8	12.6	388	184	172
1c	50	43	9.2	11.5	14.2	541	232	217
1c	70	49	10.8	13.3	16.2	729	292	273
1c	95	55	12.8	15.3	18.2	969	352	329
1c	120	61	14.5	17.3	20.4	1201	417	390
1c	150	68	16.3	19.5	22.8	1521	482	450
1c	185	75	18.0	21.7	24.9	1832	552	516
1c	240	83	20.3	24.2	27.6	2342	663	620
1c	300	91	22.5	27.2	30.3	2881	764	714
1c	400	104	26.0	30.7	34.6	3797	915	855
1c	500	115	29.2	34.4	38.5	4777	1059	990
1c	630	128	32.8	38.4	42.7	5979	1235	1154
1c	800	157	40.3	46.0	52.3	8230	1519***	1420***

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time. ***Unenclosed spaced in air (calculated) AS/NZS 3008.1/ERA report 69.30 part V

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	784	1024	1280	1600	2048	2624	3328	4192	5248
CLASS 6	320	512	800	1120	1600	2240	3136	4096	5184	6720	8608	10976	14080	17728	22272

Flexible Rubber SDI (Fixed Wiring) 1.9/3.3KV 110°C



V1

R-EP-125

Typical Applications

Flexible 3.3KV, Flame Retardant cable for wiring switchboards, generators, electric motors, rail/locomotive and DC applications. Green Star compliant.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] E-125 (R-EP-125) High Grade EPR insulation type 3GI3 to VDE 0207 part 20, Crosslinked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581.

Jacket Low-Friction E-RUBBER[®] S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

1.9/3.3 kV

Core identification

To customers specification

VDE 0207/20

VDE 0250/602

UL 1581

AS/NZS 1125

AS/NZS 3008.1

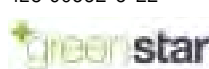
AS/NZS 1660.5.1

AS/NZS 1660.5.6

IEC 60228

IEC 60332-1

IEC 60332-3-22



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	13	3.1	5.9	7.5	92	61	57
1c	10	15	4.1	7.3	8.9	142	86	80
1c	16	17	5.1	8.3	10.0	199	112	105
1c	25	21	6.4	10.2	12.2	308	149	139
1c	35	23	7.8	11.6	13.7	407	184	172
1c	50	26	9.2	13.1	15.2	561	232	217
1c	70	29	10.8	14.8	16.8	742	292	273
1c	95	35	12.8	17.6	19.7	1009	352	329
1c	120	39	14.5	19.4	21.4	1231	417	390
1c	150	43	16.3	21.2	23.6	1554	482	450
1c	185	52	18.0	23.3	25.8	1872	552	516
1c	240	63	20.3	26.1	28.5	2388	663	620
1c	300	72	22.5	28.8	31.2	3002	764	714
1c	400	85	26.0	32.5	35.3	3466	915	855

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

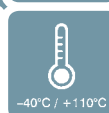
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	720	880	1120	1440	1760	2240	2880	3680	4608
CLASS 6	320	512	800	1120	1600	2240	3072	3968	5040	6400	8192	10480	13440	17280	21952

KL

X-HF-110

Flexible Rubber SDI (Fixed Wiring) 0.6/1KV 110°C



Typical Applications

Flexible 110°C rubber power cable with potential for downsizing. Suitable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder, in conduit or buried direct. Green Star compliant.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric.

Jacket Low-Friction E-RUBBER[®] S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60332-1
AS/NZS 1660.5.6	IEC 60332-3-22
AS/NZS 3008.1	
AS/NZS 3808	
AS/NZS 5000.1	



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	22	3.1	4.6	7.4	96	61	57
1c	10	25	4.1	5.6	8.4	140	86	80
1c	16	28	5.1	6.7	9.4	197	112	105
1c	25	33	6.4	8.4	11.2	291	149	139
1c	35	38	7.8	9.8	12.6	388	184	172
1c	50	43	9.2	11.5	14.2	541	232	217
1c	70	49	10.8	13.3	16.2	729	292	273
1c	95	55	12.8	15.3	18.2	969	352	329
1c	120	61	14.5	17.3	20.4	1201	417	390
1c	150	68	16.3	19.5	22.8	1521	482	450
1c	185	75	18.0	21.7	24.9	1832	552	516
1c	240	83	20.3	24.2	27.6	2342	663	620
1c	300	91	22.5	27.2	30.3	2881	764	714
1c	400	104	26.0	30.7	34.6	3797	915	855
1c	500	115	29.2	34.4	38.5	4777	1059	990
1c	630	128	32.8	38.4	42.7	5979	1235	1154
1c	800	157	40.3	46.0	52.3	8230	1519***	1420***

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time. ***Unenclosed spaced in air (calculated) AS/NZS 3008.1/ERA report 69.30 part V

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	768	1016	1280	1600	2048	2624	3328	4192	5248
CLASS 6	320	512	800	1120	1600	2240	3072	4096	5376	7040	9216	11904	15360	19712	25088

The TriCab Low Friction Jacket

Saves time, labour and money



Available across our entire range.

- ***Ultra smooth and slippery jacket***
- ***No lubrication required***
- ***Reduces the use of rollers during installation on tray***
- ***Eliminates friction damage to cable***
- ***Faster and easier Installation***
- ***Reduced installation costs***
- Very low coefficient of friction (COF).
(As low as 0.09 compared to 0.4 for a standard cable).
- Low pulling tension even in multiple bends in conduits, race ways and trays making pulls a lot lighter and easier.
- Reduces Sidewall Bearing Pressure between cable and conduit.
- Slides on cable tray with ease, eliminating the use of rollers. Also eliminates the longitudinal score marks caused by rollers.
- Increases installation-pulling distance.
- Eliminates damage caused by pulling tension on small instrumentation and control cables.
- Eliminates catching and tearing of cables in conduit.
- Reduces installation time and installation costs.



CONSTRUCTION & INSTALLATION

(Fixed Wiring)



- Low Friction Jacket
- Low Bend Radius
- Super Flexible
- Reduced OD
- LSZH Zero Halogen and Best Practice PVC
- Flame Retardant
- High Operating Temperature
- Conforms to AS/NZS5000.1

Cables designed to increase performance and reduce costs.

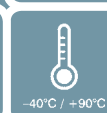


- Improved flexibility and Bending Radius dramatically cut installation time, manpower and space requirements.
- 110°C temperature rating allows for downsizing, with numerous flow on benefits.
- LSZH, non-toxic, non-poisonous, non-hazardous and fully compliant with ROHS and REACH directives or Best Practice PVC.
- High continuous operating temperature for hazardous environments or safety margin.

XL

X-90

Flexible Rubber SDI (Fixed Wiring) 0.6/1KV 90°C



Typical Applications

Flexible 90°C rubber power cable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder, in conduit or buried direct. Green Star compliant.



Standard Core Configuration

1C:	
2C+E:	
3C+E:	
4C+E:	

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] XL-20 (X-90), Cross-Linked, Polyethylene.

Jacket Low-Friction E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60332-1
AS/NZS 1660.5.6	IEC 60332-3-22
AS/NZS 3008.1	
AS/NZS 3808	
AS/NZS 5000.1	



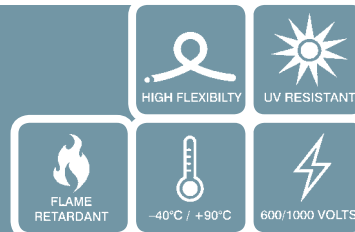
NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	22	3.1	4.6	7.4	96	51	46
1c	10	25	4.1	5.6	8.4	140	70	64
1c	16	28	5.1	6.7	9.4	197	94	85
1c	25	33	6.4	8.4	11.2	291	125	114
1c	35	38	7.8	9.8	12.6	388	155	141
1c	50	43	9.2	11.5	14.2	541	196	178
1c	70	49	10.8	13.3	16.2	729	248	225
1c	95	55	12.8	15.3	18.2	969	298	271
1c	120	61	14.5	17.3	20.4	1201	354	322
1c	150	68	16.3	19.5	22.8	1521	409	372
1c	185	75	18.0	21.7	24.9	1832	470	427
1c	240	83	20.3	24.2	27.6	2342	565	514
1c	300	91	22.5	27.2	30.3	2881	650	591
1c	400	104	26.0	30.7	34.6	3797	780	709
1c	500	115	29.2	34.4	38.5	4777	903	821
1c	630	128	32.8	38.4	42.7	5979	1052	956

*AS/NZS 3008.1 Table 8 Unenclosed touching - 90°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 176, 178, 184 and 186 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	768	960	1200	1500	1920	2400	3000	3750	4700
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	8064	10080	12800	16000	20160

Flexible Rubber Multi-core (Fixed Wiring) 0.6/1KV 90°C



XL

X-90

NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5 + 1.5E	31	1.5	10.3	147	25	23
2c 2.5 + 2.5E	35	2.1	11.6	198	33	30
2c 4 + 4E	38	2.5	12.5	255	44	40
2c 6 + 6E	42	3.1	13.8	335	56	51
2c 10 + 4E	45	4.1	15.1	356	79	72
2c 16 + 6E	52	5.1	17.3	503	106	96
2c 25 + 6E	63	6.4	21.0	726	141	128
2c 35 + 10E	71	7.8	23.7	989	174	158
2c 50 + 16E	81	9.2	26.9	1377	219	199
3c 1.5 + 1.5E	33	1.5	11.1	162	21	19
3c 2.5 + 2.5E	37	2.1	12.5	220	29	26
3c 4 + 4E	41	2.5	13.5	289	37	34
3c 6 + 6E	45	3.1	15.0	386	47	43
3c 10 + 4E	50	4.1	16.6	461	67	61
3c 16 + 6E	57	5.1	18.9	659	89	81
3c 25 + 6E	66	6.4	22.1	956	119	108
3c 35 + 10E	76	7.8	25.3	1307	149	135
3c 50 + 16E	87	9.2	29.1	1847	187	170
3c 70 + 25E	101	10.8	33.7	2535	235	214
3c 95 + 25E	113	12.8	37.8	3328	282	256
3c 120 + 35E	128	14.5	42.7	4155	333	303
3c 150 + 50E	145	16.3	48.2	5335	383	348
3c 185 + 70E	160	18.0	53.2	6536	436	396
3c 240 + 95E	179	20.3	59.7	8430	519	472
3c 300 + 120E	200	22.5	66.7	10624	593	539
4c 1.5 + 1.5E	36	1.5	11.9	205	21	19
4c 2.5 + 2.5E	40	2.1	13.4	277	29	26
4c 4 + 4E	44	2.5	14.7	364	37	34
4c 6 + 6E	49	3.1	16.3	483	47	43
4c 10 + 4E	55	4.1	18.2	577	67	61
4c 16 + 6E	63	5.1	20.9	834	89	81
4c 25 + 6E	74	6.4	24.5	1219	119	108
4c 35 + 10E	85	7.8	28.2	1664	149	135
4c 50 + 16E	98	9.2	32.8	2379	187	170
4c 70 + 25E	113	10.8	37.8	3253	235	214
4c 95 + 25E	128	12.8	42.8	4279	282	256
4c 120 + 35E	144	14.5	48.1	5363	333	303
4c 150 + 50E	163	16.3	54.3	6778	383	348
4c 185 + 70E	181	18.0	60.3	8417	436	396
4c 240 + 95E	202	20.3	67.4	10815	519	472
4c 300 + 120E	226	22.5	75.3	13643	593	539

*AS/NZS 3008.1 Table 11/14 Unenclosed touching - 90°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 180, 182, 188 and 190 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	556	768	960	1200	1536	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3840	4800	6144	7680	9600	12288	15360	19200

XL

X-90

Flexible Rubber Control (Fixed Wiring) 0.6/1KV 90°C



Typical Applications

Flexible 90°C Control cable suitable for indoor/outdoor wiring applications where exposure to mechanical damage is absent, buried, enclosed in conduit or underground duct.



Standard Core Configuration

1 2 3 etc. +

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® XL-20 (X-90), Cross-Linked, Polyethylene and individually numbered.

Separator Polypropylene tape

Jacket Low-Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1660.5.1

AS/NZS 1660.5.6

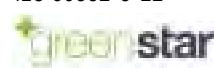
AS/NZS 3808

AS/NZS 5000.1

IEC 60228

IEC 60332-1

IEC 60332-3-22



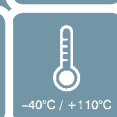
NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)
6c 1.5 + 1.5E	38	1.5	12.8	211
11c 1.5 + 1.5E	49	1.5	16.2	328
18c 1.5 + 1.5E	56	1.5	18.8	473
23c 1.5 + 1.5E	65	1.5	21.5	585
26c 1.5 + 1.5E	66	1.5	22.1	644
32c 1.5 + 1.5E	72	1.5	23.9	765
36c 1.5 + 1.5E	74	1.5	24.7	844
6c 2.5 + 2.5E	44	2.1	14.6	296
11c 2.5 + 2.5E	56	2.1	18.8	468
18c 2.5 + 2.5E	65	2.1	21.8	689
23c 2.5 + 2.5E	76	2.1	25.2	856
26c 2.5 + 2.5E	78	2.1	25.9	945
32c 2.5 + 2.5E	84	2.1	27.9	1128
36c 2.5 + 2.5E	88	2.1	29.2	1262

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	785	1014	1275	1584	2015	2535	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3072	3936	5000	6400	8192	10368	13200	16640	20960

Flexible Rubber Control (Fixed Wiring) 0.6/1KV 110°C



KL

X-HF-110

Typical Applications

Flexible 110°C Control cable suitable for indoor/outdoor wiring applications where exposure to mechanical damage is absent, buried, enclosed in conduit or underground duct.



Standard Core Configuration

1 2 3 etc. +

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric and individually numbered.

Separator Polypropylene tape

Jacket Low-Friction E-RUBBER® S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125
AS/NZS 1660.5.1
AS/NZS 1660.5.6
AS/NZS 3808
AS/NZS 5000.1

IEC 60228
IEC 60332-1
IEC 60332-3-22



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)
6c 1.5 + 1.5E	38	1.5	12.8	211
11c 1.5 + 1.5E	49	1.5	16.2	328
18c 1.5 + 1.5E	56	1.5	18.8	473
23c 1.5 + 1.5E	65	1.5	21.5	585
26c 1.5 + 1.5E	66	1.5	22.1	644
32c 1.5 + 1.5E	72	1.5	23.9	765
36c 1.5 + 1.5E	74	1.5	24.7	844
6c 2.5 + 2.5E	44	2.1	14.6	296
11c 2.5 + 2.5E	56	2.1	18.8	468
18c 2.5 + 2.5E	65	2.1	21.8	689
23c 2.5 + 2.5E	76	2.1	25.2	856
26c 2.5 + 2.5E	78	2.1	25.9	945
32c 2.5 + 2.5E	84	2.1	27.9	1128
36c 2.5 + 2.5E	88	2.1	29.2	1262

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., reserves the right to modify specifications at any time.

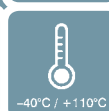
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

KL

X-HF-110

Flexible Rubber SDI (Fixed Wiring) 0.6/1KV 110°C



Typical Applications

Flexible 110°C rubber power cable with potential for downsizing. Suitable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder, in conduit or buried direct. Green Star compliant.



Standard Core Configuration

1C:	
2C+E:	
3C+E:	
4C+E:	

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric.

Jacket Low-Friction E-RUBBER[®] S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60332-1
AS/NZS 1660.5.6	IEC 60332-3-22
AS/NZS 3008.1	
AS/NZS 3808	
AS/NZS 5000.1	



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	22	3.1	4.6	7.4	96	61	57
1c	10	25	4.1	5.6	8.4	140	86	80
1c	16	28	5.1	6.7	9.4	197	112	105
1c	25	33	6.4	8.4	11.2	291	149	139
1c	35	38	7.8	9.8	12.6	388	184	172
1c	50	43	9.2	11.5	14.2	541	232	217
1c	70	49	10.8	13.3	16.2	729	292	273
1c	95	55	12.8	15.3	18.2	969	352	329
1c	120	61	14.5	17.3	20.4	1201	417	390
1c	150	68	16.3	19.5	22.8	1521	482	450
1c	185	75	18.0	21.7	24.9	1832	552	516
1c	240	83	20.3	24.2	27.6	2342	663	620
1c	300	91	22.5	27.2	30.3	2881	764	714
1c	400	104	26.0	30.7	34.6	3797	915	855
1c	500	115	29.2	34.4	38.5	4777	1059	990
1c	630	128	32.8	38.4	42.7	5979	1235	1154
1c	800	157	40.3	46.0	52.3	8230	1519***	1420***

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time. ***Unenclosed spaced in air (calculated) AS/NZS 3008.1/ERA report 69.30 part V

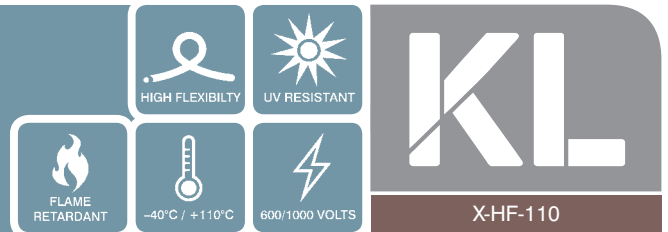
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	768	960	1200	1440	1800	2160	2720	3360	4160
CLASS 6	320	512	800	1120	1600	2240	3008	3840	4800	5760	7200	8640	10880	13440	16640

Flexible Rubber Multi-core

(Fixed Wiring)

0.6/1KV 110°C



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5 + 1.5E	31	1.5	10.3	147	30	28
2c 2.5 + 2.5E	35	2.1	11.6	198	41	38
2c 4 + 4E	38	2.5	12.5	255	54	50
2c 6 + 6E	42	3.1	13.8	335	67	63
2c 10 + 4E	45	4.1	15.1	356	94	88
2c 16 + 6E	52	5.1	17.3	503	124	116
2c 25 + 6E	63	6.4	21.0	726	165	154
2c 35 + 10E	71	7.8	23.7	989	203	190
2c 50 + 16E	81	9.2	26.9	1377	255	238
3c 1.5 + 1.5E	33	1.5	11.1	162	26	24
3c 2.5 + 2.5E	37	2.1	12.5	220	34	32
3c 4 + 4E	41	2.5	13.5	289	45	42
3c 6 + 6E	45	3.1	15.0	386	58	54
3c 10 + 4E	50	4.1	16.6	461	80	75
3c 16 + 6E	57	5.1	18.9	659	106	99
3c 25 + 6E	66	6.4	22.1	956	140	131
3c 35 + 10E	76	7.8	25.3	1307	173	162
3c 50 + 16E	87	9.2	29.1	1847	218	204
3c 70 + 25E	101	10.8	33.7	2535	273	255
3c 95 + 25E	113	12.8	37.8	3328	327	306
3c 120 + 35E	128	14.5	42.7	4155	385	360
3c 150 + 50E	145	16.3	48.2	5335	442	413
3c 185 + 70E	160	18.0	53.2	6536	503	470
3c 240 + 95E	179	20.3	59.7	8430	598	559
3c 300 + 120E	200	22.5	66.7	10624	683	638
4c 1.5 + 1.5E	36	1.5	11.9	205	26	24
4c 2.5 + 2.5E	40	2.1	13.4	277	34	32
4c 4 + 4E	44	2.5	14.7	364	45	42
4c 6 + 6E	49	3.1	16.3	483	58	54
4c 10 + 4E	55	4.1	18.2	577	80	75
4c 16 + 6E	63	5.1	20.9	834	106	99
4c 25 + 6E	74	6.4	24.5	1219	140	131
4c 35 + 10E	85	7.8	28.2	1664	173	162
4c 50 + 16E	98	9.2	32.8	2379	218	204
4c 70 + 25E	113	10.8	37.8	3253	273	255
4c 95 + 25E	128	12.8	42.8	4279	327	306
4c 120 + 35E	144	14.5	48.1	5363	385	360
4c 150 + 50E	163	16.3	54.3	6778	442	413
4c 185 + 70E	181	18.0	60.3	8417	503	470
4c 240 + 95E	202	20.3	67.4	10815	598	559
4c 300 + 120E	226	22.5	75.3	13643	683	638

*AS/NZS 3008.1 Table 12/15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, 183, 189 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

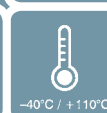
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	556	768	960	1200	1500	1920	2400	3000	3750	4700
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6304	7968	10000	12800	16000	20160

KC

X-HF-110

Flexible Rubber Control (Fixed Wiring) 450/750V 110°C



Typical Applications

Flexible control cable suitable for indoor/outdoor, buried, enclosed in conduit or underground duct control wiring applications where exposure to mechanical damage is absent.



Standard Core Configuration

1 2 3 etc. +

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric.

Separator Polypropylene tape

Jacket Low-Friction E-RUBBER[®] S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

450/7500 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1660.5.1

AS/NZS 1660.5.6

AS/NZS 3808

AS/NZS 5000.3

IEC 60228

IEC 60332-1

IEC 60332-3-22



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)		MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)
7c	0.5	28	0.95	9.4	94
10c	0.5	35	0.95	11.7	133
12c	0.5	37	0.95	12.2	150
14c	0.5	38	0.95	12.8	168
16c	0.5	41	0.95	13.7	193
19c	0.5	43	0.95	14.4	219
21c	0.5	46	0.95	15.2	240
24c	0.5	50	0.95	16.7	277
27c	0.5	52	0.95	17.2	303
30c	0.5	53	0.95	17.7	328
33c	0.5	55	0.95	18.5	356
37c	0.5	58	0.95	19.2	390

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

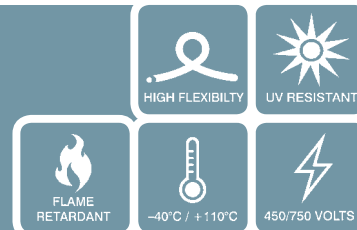
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	812	1016	1270	1584	2000	2512	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3136	3968	5000	6336	8064	10112	12800	16000	20000

Flexible Rubber Control

(Fixed Wiring)

450/750V 110°C



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)
7c 0.75	30	1.2	10.1	116
10c 0.75	37	1.2	12.4	159
12c 0.75	39	1.2	13.2	187
14c 0.75	41	1.2	13.8	210
16c 0.75	43	1.2	14.5	234
19c 0.75	46	1.2	15.3	267
21c 0.75	49	1.2	16.3	299
24c 0.75	54	1.2	17.9	338
27c 0.75	55	1.2	18.3	370
30c 0.75	57	1.2	18.9	403
33c 0.75	60	1.2	19.9	446
37c 0.75	62	1.2	20.6	490
7c 1.0	32	1.3	10.6	135
10c 1.0	40	1.3	13.3	190
12c 1.0	41	1.3	13.8	216
14c 1.0	43	1.3	14.5	244
16c 1.0	46	1.3	15.2	272
19c 1.0	48	1.3	16.0	313
21c 1.0	51	1.3	17.1	350
24c 1.0	56	1.3	18.8	396
27c 1.0	58	1.3	19.5	443
30c 1.0	60	1.3	20.1	483
33c 1.0	63	1.3	20.9	524
37c 1.0	65	1.3	21.7	577
7c 1.5	35	1.5	11.6	173
8c 1.5	38	1.5	12.8	196
9c 1.5	44	1.5	14.7	230
10c 1.5	44	1.5	14.7	246
11c 1.5	46	1.5	15.3	266
12c 1.5	46	1.5	15.3	283
13c 1.5	49	1.5	16.3	310
14c 1.5	49	1.5	16.3	327
16c 1.5	51	1.5	17.1	366
19c 1.5	54	1.5	18.1	421
21c 1.5	57	1.5	19.1	461
24c 1.5	63	1.5	21.1	532
27c 1.5	65	1.5	21.7	585
30c 1.5	68	1.5	22.6	651
33c 1.5	71	1.5	23.6	707
37c 1.5	73	1.5	24.5	780
7c 2.5	40	2.1	13.3	250
10c 2.5	50	2.1	16.7	354
12c 2.5	52	2.1	17.4	410
14c 2.5	55	2.1	18.3	466
16c 2.5	58	2.1	19.5	532
19c 2.5	62	2.1	20.5	617
21c 2.5	65	2.1	21.7	676
24c 2.5	72	2.1	24.0	778
27c 2.5	74	2.1	24.7	861
30c 2.5	77	2.1	25.8	955
33c 2.5	80	2.1	26.8	1040
37c 2.5	84	2.1	27.8	1151

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020



X-HF-110/HFS-110-TP

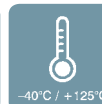
Flexible LSZH Rubber Multi-core (Fixed Wiring) 0.6/1KV 125°C

LOW SMOKE
ZERO HALOGEN

HIGH FLEXIBILITY



UV RESISTANT

FLAME
RETARDANT

-40°C / +125°C



600/1000 VOLTS



Typical Applications

Flexible LSZH, Flame Retardant 125°C rubber power cable with potential for downsizing. Suitable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder, and in conduit.



Standard Core Configuration

2C + E:				
3C + E:				
4C + E:				

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581.

Separator Polypropylene tape

Jacket Low-Friction LSFLEX[®] T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60332-1
AS/NZS 1660.5.2	IEC 60332-3-22
AS/NZS 1660.5.4	IEC 60754-2
AS/NZS 1660.5.6	IEC 61034-1&2
AS/NZS 3008.1	
AS/NZS 3808	
AS/NZS 5000.1	



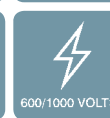
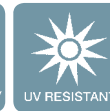
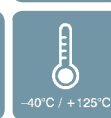
NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5 + 1.5E	31	1.5	10.3	147	30	28
2c 2.5 + 2.5E	35	2.1	11.5	198	41	38
2c 4 + 4E	37	2.5	12.4	255	54	50
2c 6 + 6E	41	3.1	13.8	336	67	63
2c 10 + 4E	45	4.1	15.0	356	94	88
2c 16 + 6E	52	5.1	17.2	503	124	116
2c 25 + 6E	63	6.4	21.4	726	165	154
2c 35 + 10E	71	7.8	23.7	988	203	190
2c 50 + 16E	80	9.2	26.8	1377	255	238

*AS/NZS 3008.1 Table 12 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181 and 189 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

Flexible LSZH Rubber Multi-core (Fixed Wiring) 0.6/1KV 125°C



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
3c 1.5 + 1.5E	33	1.5	11.1	162	26	24
3c 2.5 + 2.5E	37	2.1	12.5	220	34	32
3c 4 + 4E	41	2.5	13.5	289	45	42
3c 6 + 6E	45	3.1	15.0	386	58	54
3c 10 + 4E	50	4.1	16.6	461	80	75
3c 16 + 6E	57	5.1	18.9	659	106	99
3c 25 + 6E	66	6.4	22.1	956	140	131
3c 35 + 10E	76	7.8	25.3	1307	173	162
3c 50 + 16E	87	9.2	29.1	1847	218	204
3c 70 + 25E	101	10.8	33.7	2535	273	255
3c 95 + 25E	113	12.8	37.8	3328	327	306
3c 120 + 35E	128	14.5	42.7	4155	385	360
3c 150 + 50E	145	16.3	48.2	5335	442	413
3c 185 + 70E	160	18.0	53.2	6536	503	470
3c 240 + 95E	179	20.3	59.7	8430	598	559
3c 300 + 120E	200	22.5	66.7	10624	683	638
4c 1.5 + 1.5E	36	1.5	11.9	205	26	24
4c 2.5 + 2.5E	40	2.1	13.4	277	34	32
4c 4 + 4E	44	2.5	14.7	364	45	42
4c 6 + 6E	49	3.1	16.3	483	58	54
4c 10 + 4E	55	4.1	18.2	577	80	75
4c 16 + 6E	63	5.1	20.9	834	106	99
4c 25 + 6E	74	6.4	24.5	1219	140	131
4c 35 + 10E	85	7.8	28.2	1664	173	162
4c 50 + 16E	98	9.2	32.8	2379	218	204
4c 70 + 25E	113	10.8	37.8	3253	273	255
4c 95 + 25E	128	12.8	42.8	4279	327	306
4c 120 + 35E	144	14.5	48.1	5363	385	360
4c 150 + 50E	163	16.3	54.3	6778	442	413
4c 185 + 70E	181	18.0	60.3	8417	503	470
4c 240 + 95E	202	20.3	67.4	10815	598	559
4c 300 + 120E	226	22.5	75.3	13643	683	638

*AS/NZS 3008.1 Table 15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 183 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	556	768	960	1200	1536	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	8064	10176	12992	16384	20736



X-HF-110/HFS-110-TP

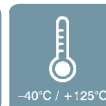
Flexible LSZH Rubber SDI (Fixed Wiring) 0.6/1KV 125°C

LOW SMOKE
ZERO HALOGEN

HIGH FLEXIBILITY



UV RESISTANT

FLAME
RETARDANT

-40°C / +125°C



600/1000 VOLTS



Typical Applications

Flexible LSZH, Flame Retardant 125°C rubber power cable with potential for downsizing. Suitable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder, and in conduit.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581.

Jacket Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.1 IEC 60332-1
AS/NZS 1660.5.2 IEC 60754-2
AS/NZS 1660.5.4 IEC 61034-1&2
AS/NZS 1660.5.6
AS/NZS 3008.1
AS/NZS 3808
AS/NZS 5000.1



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c 6	22	3.1	4.6	7.4	96	61	57
1c 10	25	4.1	5.6	8.4	140	86	80
1c 16	28	5.1	6.7	9.4	197	112	105
1c 25	33	6.4	8.4	11.2	291	149	139
1c 35	38	7.8	9.8	12.6	388	184	172
1c 50	43	9.2	11.5	14.2	541	232	217
1c 70	49	10.8	13.3	16.2	729	292	273
1c 95	55	12.8	15.3	18.2	969	352	329
1c 120	61	14.5	17.3	20.4	1201	417	390
1c 150	68	16.3	19.5	22.8	1521	482	450
1c 185	75	18.0	21.7	24.9	1832	552	516
1c 240	83	20.3	24.2	27.6	2342	663	620
1c 300	91	22.5	27.2	30.3	2881	764	714
1c 400	104	26.0	30.7	34.6	3797	915	855
1c 500	115	29.2	34.4	38.5	4777	1059	990
1c 630	128	32.8	38.4	42.7	5979	1235	1154
1c 800	157	40.3	46.0	52.3	8230	1519***	1420***

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time. ***Unenclosed spaced in air (calculated) AS/NZS 3008.1/ERA report 69.30 part V

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	768	1024	1280	1600	2048	2592	3328	4224	5280
CLASS 6	320	512	800	1120	1600	2240	3072	4096	5376	7168	9472	12288	15872	20480	25856

Flexible LSZH Rubber

Flat

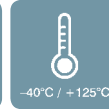
450/750V 125°C

LOW SMOKE
ZERO HALOGEN

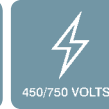
HIGH FLEXIBILITY



UV RESISTANT

FLAME
RETARDANT

-40°C / +125°C



450/750 VOLTS

FD

X-HF-110/HFS-110-TP

Typical Applications

Flexible Flat, LSZH, Flame Retardant cable for indoor/outdoor fixed wiring applications including power and lighting circuits. Suitable for use in and around polystyrene. PVC Free and Non Migratory. Green Star compliant.



Standard Core Configuration

2C:
 2C+E:

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Ripcord High strength ripcord under jacket

Jacket Low Friction LSFLEX[®] T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Non migratory. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

450/750 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
 AS/NZS 1660.5.1 IEC 60332-1
 AS/NZS 1660.5.2 IEC 60332-3-22
 AS/NZS 1660.5.4 IEC 60754-2
 AS/NZS 1660.5.6 IEC 61034-1&2
 AS/NZS 3008.1
 AS/NZS 3808
 AS/NZS 5000.2



	NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL HEIGHT (mm)	NOMINAL WIDTH (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c	1 - -	14	1.3	4.7	7.4	44	25	23
2c	1.5 - -	15	1.5	4.9	7.9	52	30	28
2c	2.5 - -	17	2.1	5.7	9.3	74	41	38
2c	4 - -	19	2.5	6.3	10.3	111	54	50
2c	6 - -	21	3.1	6.9	11.5	152	67	63
2c	1 + 1E	14	1.3	4.7	10.3	60	25	23
2c	1.5 + 1.5E	15	1.5	4.9	10.9	75	30	28
2c	2.5 + 2.5E	17	2.1	5.7	13.0	108	41	38
2c	4 + 4E	19	2.5	6.3	14.4	163	54	50
2c	6 + 6E	21	3.1	6.9	16.2	224	67	63

*AS/NZS 3008.1 Table 12 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 183 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

LS

X-HF-110

Flexible LSZH Rubber

Building wire

0.6/1KV 125°C

LOW SMOKE
ZERO HALOGEN

HIGH FLEXIBILITY



UV RESISTANT

FLAME
RETARDANT

-40°C / +125°C



600/1000 VOLTS



Typical Applications

Flexible LSZH Rubber Building Wire
Flexible fine stranded building wire used for earthing of mains and sub-mains and for single insulated applications in pipe and conduit. LSZH, Flame Retardant.



Standard Core Configuration

1C:

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-125 (X-HF-110), Flame Retardant, Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.1 IEC 60332-1
AS/NZS 1660.5.2 IEC 60332-3-22
AS/NZS 1660.5.4 IEC 60754-2
AS/NZS 1660.5.6 IEC 61034-1&2
AS/NZS 3808
AS/NZS 5000.1

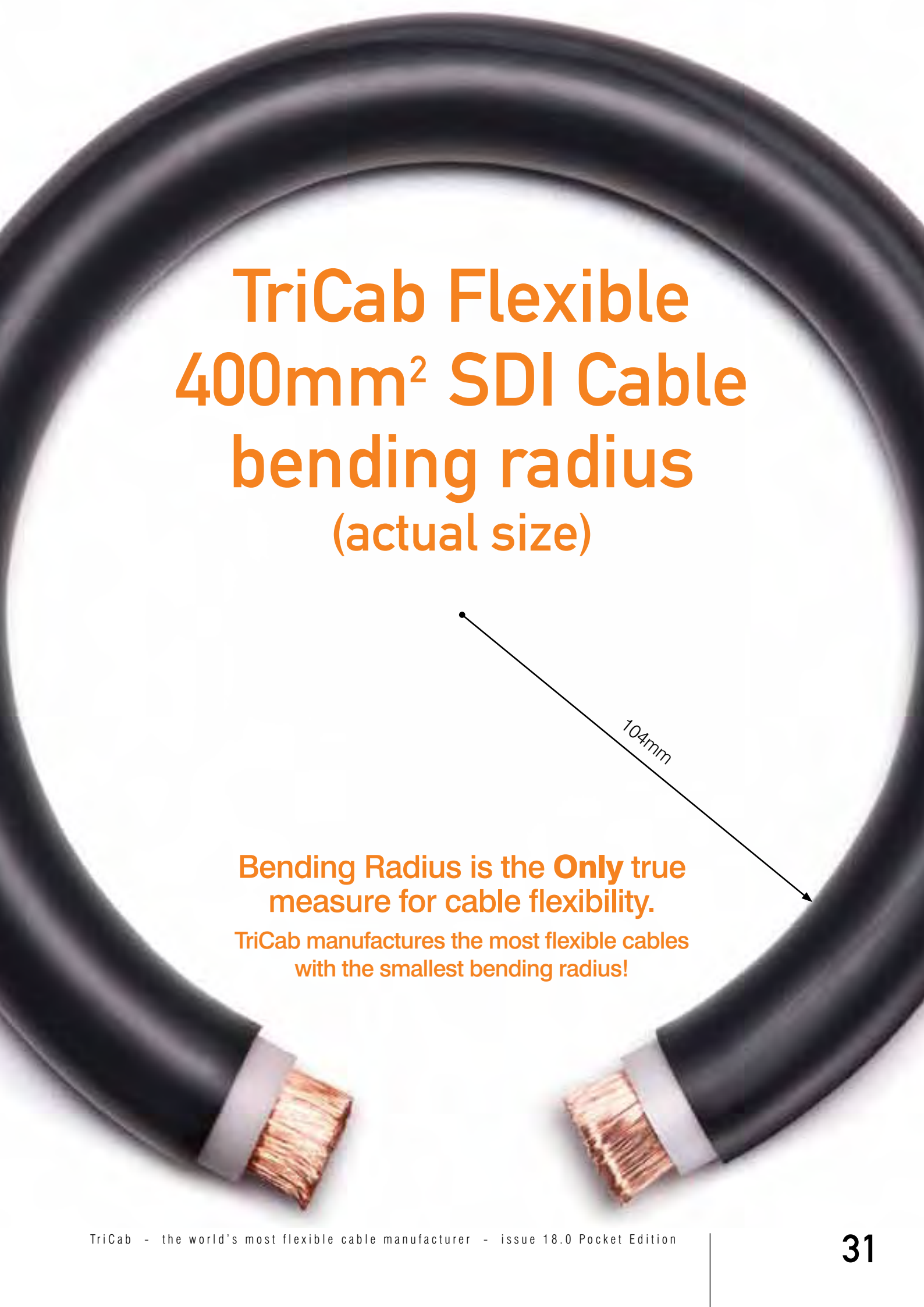


NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)
1c 0.5	6	0.95	2.4	10
1c 0.75	7	1.2	2.6	13
1c 1	7	1.3	2.7	15
1c 1.5	7	1.5	2.9	20
1c 2.5	9	2.1	3.5	30
1c 4	10	2.5	3.9	44
1c 6	11	3.1	4.5	63
1c 10	14	4.1	5.6	103
1c 16	16	5.1	6.6	155
1c 25	21	6.4	8.3	243
1c 35	24	7.8	9.7	335
1c 50	28	9.2	11.3	483
1c 70	33	10.8	13.1	659
1c 95	38	12.8	15.2	891
1c 120	43	14.5	17.1	1109
1c 150	48	16.3	19.3	1415
1c 185	54	18.0	21.4	1725
1c 240	60	20.3	23.9	2218
1c 300	66	22.5	26.4	2739
1c 400	76	26.0	30.3	3620
1c 500	85	29.2	33.9	4579
1c 630	95	32.8	38.0	5759

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	768	960	1200	1440	1800	2160	2880	3600	4500
CLASS 6	320	512	800	1120	1600	2240	3072	3840	4800	5760	7200	8640	10880	13760	17280



TriCab Flexible 400mm² SDI Cable bending radius (actual size)

104mm

Bending Radius is the **Only** true
measure for cable flexibility.

TriCab manufactures the most flexible cables
with the smallest bending radius!

NC

X-HF-110

Flexible Rubber Neutral Screen

Multi-core (Underground Conduit)

0.6/1KV 110°C



NEUTRAL SCREEN



HIGH FLEXIBILITY



UV RESISTANT



FLAME RETARDANT



-40°C / + 110°C



600/1000 VOLTS



Typical Applications

Neutral wire screened flexible, multi-core cable suitable for Mains, Sub-Mains, Electric motors and final sub circuits for overhead and underground lines.



Standard Core Configuration

2C:
 3C:
 4C:

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric.

Separator Polypropylene tape.

Neutral Screen Plain Annealed Copper with the same resistance as the phase conductor. Minimum of 60% coverage to enable mechanical protection of the phase conductors.

Separator Polypropylene tape.

Jacket Low Friction E-RUBBER® S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification



Standards

AS/NZS 1125
 AS/NZS 1660.5.1
 AS/NZS 1660.5.6
 AS/NZS 3008.1
 AS/NZS 3808
 AS/NZS 4961

NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING (Underground Enclosure)* 15°C Ambient in Air (Amps)	CURRENT RATING (Underground Enclosure)* 25°C Ambient in Air (Amps)
2c 6	83	3.1	13.8	319	66	62
2c 10	99	4.1	16.5	476	89	84
2c 16	114	5.1	19.1	693	116	109
2c 25	135	6.4	22.4	1011	147	139
2c 35	151	7.8	25.2	1360	181	171
2c 50	177	9.2	29.5	1944	222	209
3c 6	87	3.1	14.5	376	54	51
3c 10	104	4.1	17.3	563	75	71
3c 16	120	5.1	20.1	820	96	91
3c 25	142	6.4	23.7	1217	125	118
3c 35	160	7.8	26.6	1633	152	143
3c 50	187	9.2	31.1	2339	189	178
3c 70	212	10.8	35.4	3124	230	217
3c 95	239	12.8	39.9	4171	275	259
3c 120	271	14.5	45.1	5269	316	298
3c 150	302	16.3	50.3	6643	361	341
3c 185	331	18.0	55.2	8081	404	381
3c 240	375	20.3	62.5	10386	480	453
3c 300	408	22.5	68.0	12949	540	509
4c 6	101	3.1	16.9	527	54	51
4c 10	116	4.1	19.3	811	75	71
4c 16	130	5.1	21.7	1007	96	91
4c 25	155	6.4	25.8	1470	125	118
4c 35	175	7.8	29.1	1973	152	143
4c 50	205	9.2	34.2	2870	189	178
4c 70	233	10.8	38.9	3810	230	217
4c 95	264	12.8	44.0	5081	275	259
4c 120	299	14.5	49.9	6373	316	298
4c 150	332	16.3	55.4	8033	361	341
4c 185	365	18.0	60.9	9758	404	381
4c 240	413	20.3	68.9	12606	480	453
4c 300	451	22.5	75.1	15809	540	509

*AS/NZS 3008.1 Table 12/15 Underground Wiring Enclosure - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, 183, 189 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1000	1280	1600	2000	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3072	3904	4960	6304	8000	10000	12800	16000	20000

Flexible Rubber Neutral Screen

Multi-core (Direct Burial)

0.6/1KV 110°C



NEUTRAL SCREEN



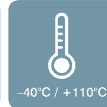
HIGH FLEXIBILITY



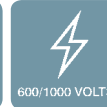
UV RESISTANT



FLAME RETARDANT



-40°C / +110°C



600/1000 VOLTS

NB

X-HF-110

Typical Applications

Neutral wire screened flexible, multi-core cable suitable for Mains, Sub-Mains, Electric motors and final sub circuits for direct burial applications.



Standard Core Configuration

2C:
 3C:
 4C:

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric.

Separator Polypropylene tape.

Neutral Screen Plain Annealed Copper with the same resistance as the phase conductor. Minimum of 60% coverage to enable mechanical protection of the phase conductors.

Separator Polypropylene tape.

Jacket Low Friction E-RUBBER[®] S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp
-40°C to +110°C

Voltage Rating
600/1000 Volts

Core identification
To customers specification

Jacket Colour
To customers specification



Standards
AS/NZS 1125
AS/NZS 1660.5.1
AS/NZS 1660.5.6
AS/NZS 3008.1
AS/NZS 3808
AS/NZS 4961



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING (Buried Direct)* 15°C Ambient in Air (Amps)	CURRENT RATING (Buried Direct)* 25°C Ambient in Air (Amps)
2c 6	100	3.1	16.7	418	61	64
2c 10	116	4.1	19.4	594	83	85
2c 16	132	5.1	21.9	829	154	145
2c 25	152	6.4	25.3	1170	199	188
2c 35	168	7.8	28.1	1538	240	226
2c 50	194	9.2	32.4	2154	284	268
3c 6	104	3.1	17.4	479	52	53
3c 10	121	4.1	20.2	685	69	71
3c 16	138	5.1	22.9	961	129	122
3c 25	160	6.4	26.6	1383	167	158
3c 35	177	7.8	29.5	1819	201	190
3c 50	204	9.2	34.0	2557	240	226
3c 70	227	10.8	37.9	3339	294	277
3c 95	253	12.8	42.2	4396	353	333
3c 120	283	14.5	47.2	5504	402	379
3c 150	312	16.3	51.9	6862	452	426
3c 185	339	18.0	56.5	8273	510	481
3c 240	380	20.3	63.3	10553	591	558
3c 300	411	22.5	68.5	13075	667	629
4c 6	119	3.1	19.8	646	52	53
4c 10	133	4.1	22.2	946	69	71
4c 16	148	5.1	24.6	1158	129	122
4c 25	172	6.4	28.7	1649	167	158
4c 35	192	7.8	32.0	2175	201	190
4c 50	221	9.2	36.9	3091	240	226
4c 70	247	10.8	41.2	4026	294	277
4c 95	276	12.8	46.0	5306	353	333
4c 120	309	14.5	51.5	6584	402	379
4c 150	341	16.3	56.8	8244	452	426
4c 185	371	18.0	61.9	9939	510	481
4c 240	416	20.3	69.3	12724	591	558
4c 300	451	22.5	75.1	15875	667	629

*AS/NZS 3008.1 Table 12/15 Underground Wiring Enclosure - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, 183, 189 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	720	880	1120	1440	1920	2400	3200	4000	5040
CLASS 6	320	512	800	1120	1600	2240	3008	3840	4800	6144	7968	10080	13120	16640	21120

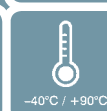
V2

EPR

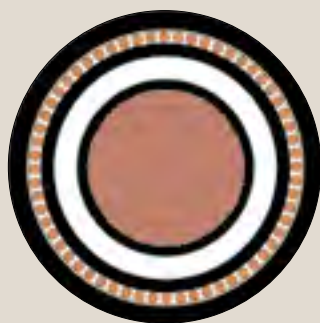
Flexible Rubber Single Core

MV Power

1.9/3.3kV 90°C

**Typical Applications**

Power Cable for Mining, Industrial and Power Utility.

**Standard Core Configuration**

1C: 1

Construction**Conductor** Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125**Conductor Screen** Semi-Conductive Cross Linked Rubber**Insulation** Ethylene Propylene Rubber (EPR)**Insulation Screen** Semi-Conductive Cross Linked Rubber**Metallic Screen** Plain annealed copper wire**Separator** Polypropylene tape**Jacket** Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.**Operating Temp**

-40°C to +90°C

Voltage Rating

1900/3300 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1429.1

AS/NZS 1660.5.1

AS/NZS 1660.5.6

AS/NZS 3808

IEC 60228

IEC 60332-1

IEC 60332-3-22

IEC 60502-2



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	105	5.1	2.2	10.3	17.4	342	1.6
1c 25	113	6.4	2.2	11.6	18.8	418	2.5
1c 35	128	7.8	2.2	13.0	21.3	536	3.5
1c 50	137	9.2	2.2	14.4	22.7	697	5.0
1c 70	152	10.8	2.2	16.0	25.3	894	7.1
1c 95	167	12.8	2.4	18.4	27.7	1164	8.3
1c 120	173	14.5	2.4	20.1	28.8	1400	9.6
1c 150	184	16.3	2.4	21.9	30.6	1714	11.1
1c 185	195	18.0	2.4	23.6	32.5	2038	12.8
1c 240	211	20.3	2.4	25.9	35.1	2564	15.6
1c 300	224	22.5	2.4	28.1	37.3	3170	18.6
1c 400	251	26.0	2.6	32.0	41.8	4055	23.6
1c 500	274	29.2	2.8	35.6	45.7	5069	28.6
1c 630	297	32.8	2.8	39.2	49.6	6285	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

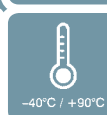
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN µF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _l 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
1c 16	1.554	0.136	2.420	0.071	0.289	124	102	117	115	95	105	2.3	2.3
1c 25	1.002	0.126	1.560	0.063	0.338	162	134	156	149	125	140	3.6	3.6
1c 35	0.712	0.122	1.108	0.059	0.390	194	160	192	180	149	173	5.0	5.0
1c 50	0.496	0.115	0.772	0.054	0.442	229	190	232	213	177	208	7.2	7.2
1c 70	0.350	0.112	0.544	0.052	0.501	278	233	290	259	218	261	10.0	10.2
1c 95	0.265	0.107	0.478	0.048	0.533	331	281	355	309	262	319	13.6	10.2
1c 120	0.208	0.102	0.433	0.044	0.590	375	317	406	349	296	363	17.2	10.2
1c 150	0.167	0.098	0.401	0.042	0.651	420	357	463	391	333	416	21.5	10.2
1c 185	0.138	0.096	0.378	0.040	0.709	500	437	606	466	408	544	26.5	10.2
1c 240	0.106	0.093	0.352	0.037	0.786	541	465	620	504	434	557	34.3	10.2
1c 300	0.086	0.090	0.336	0.036	0.860	605	523	707	563	488	634	42.9	10.2
1c 400	0.067	0.088	0.321	0.034	0.909	681	595	818	634	555	734	57.2	10.2
1c 500	0.055	0.087	0.310	0.033	0.941	761	667	934	708	623	839	71.5	10.2
1c 630	0.044	0.084	0.301	0.031	1.045	843	738	1060	785	688	951	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Power

1.9/3.3kV 90°C



V2

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: 1 2 3

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

1900/3300 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	206	5.1	2.2	10.3	34.3	1411	4.8
3c 25	224	6.4	2.2	11.6	37.3	1788	7.5
3c 35	244	7.8	2.2	13.0	40.6	2275	10.5
3c 50	263	9.2	2.2	14.4	43.9	2988	15.0
3c 70	286	10.8	2.2	16.0	47.7	3859	21.0
3c 95	319	12.8	2.4	18.4	53.1	4865	24.8
3c 120	344	14.5	2.4	20.1	57.3	5747	28.5
3c 150	368	16.3	2.4	21.9	61.4	6869	33.0
3c 185	392	18.0	2.4	23.6	65.4	7992	38.3
3c 240	425	20.3	2.4	25.9	70.8	9819	46.5
3c 300	456	22.5	2.4	28.1	76.0	11948	55.5

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	IMPEDANCE					CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀			BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.122	4.849	0.071	0.289		118	90	109	110	97	98	2.3	2.3
3c 25	1.002	0.113	3.126	0.063	0.338		150	121	140	140	113	126	3.6	3.6
3c 35	0.712	0.107	2.220	0.059	0.390		183	151	175	170	141	158	5.0	5.0
3c 50	0.496	0.101	1.547	0.054	0.442		214	177	206	199	165	186	7.2	7.2
3c 70	0.350	0.097	1.091	0.052	0.501		263	217	257	244	203	232	10.0	10.2
3c 95	0.265	0.094	1.024	0.048	0.533		316	263	317	294	246	285	13.6	10.2
3c 120	0.208	0.090	0.980	0.044	0.590		361	301	367	336	281	331	17.2	10.2
3c 150	0.167	0.088	0.948	0.042	0.651		407	338	420	379	315	378	21.5	10.2
3c 185	0.138	0.086	0.925	0.040	0.709		460	386	482	428	360	434	26.5	10.2
3c 240	0.105	0.083	0.900	0.037	0.786		531	449	565	494	419	512	34.3	10.2
3c 300	0.086	0.081	0.885	0.036	0.860		587	497	629	546	463	567	42.9	10.2

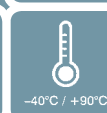
** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

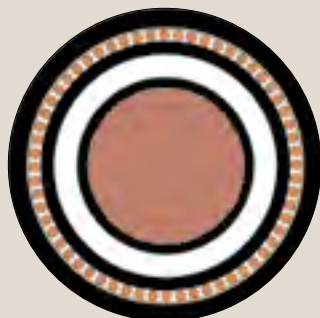
SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	768	1024	1280	1600	2048	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3072	3968	5120	6656	8704	11008	14080	17920	22784

V3

EPR

Flexible Rubber Single Core**MV Power****3.8/6.6kV 90°C****Typical Applications**

Power Cable for Mining, Industrial and Power Utility.

**Standard Core Configuration**

1C: 1

Construction**Conductor** Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125**Conductor Screen** Semi-Conductive Cross Linked Rubber**Insulation** Ethylene Propylene Rubber (EPR)**Insulation Screen** Semi-Conductive Cross Linked Rubber**Metallic Screen** Plain annealed copper wire**Separator** Polypropylene tape**Jacket** Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-termite/Rodent Jacket is Available.**Operating Temp**

-40°C to +90°C

Voltage Rating

3800/6600 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1429.1

AS/NZS 1660.5.1

AS/NZS 1660.5.6

AS/NZS 3808

IEC 60228

IEC 60332-1

IEC 60332-3-22

IEC 60502-2



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	108	5.1	2.5	10.9	18.1	509	1.6
1c 25	116	6.4	2.5	12.2	19.4	668	2.5
1c 35	132	7.8	2.5	13.6	21.9	880	3.5
1c 50	140	9.2	2.5	15.0	23.4	1184	5.0
1c 70	155	10.8	2.5	16.6	25.9	1577	7.1
1c 95	168	12.8	2.5	18.6	27.9	1836	8.3
1c 120	174	14.5	2.5	20.3	29.0	2074	9.6
1c 150	185	16.3	2.5	22.1	30.8	2387	11.1
1c 185	196	18.0	2.5	23.8	32.7	2713	12.8
1c 240	213	20.3	2.6	26.3	35.5	3251	15.6
1c 300	231	22.5	2.8	28.9	38.5	3896	18.6
1c 400	256	26.0	3.0	32.8	42.6	4772	23.6
1c 500	279	29.2	3.2	36.4	46.5	5793	28.6
1c 630	304	32.8	3.2	40.0	50.6	7037	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

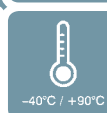
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _l 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 16	1.543	0.138	2.420	0.074	0.262	124	119	117	115	110	106	2.3	2.3
1c 25	0.995	0.128	1.560	0.066	0.306	159	153	154	148	142	138	3.6	3.6
1c 35	0.707	0.124	1.108	0.062	0.352	192	185	192	179	172	173	5.0	5.0
1c 50	0.492	0.117	0.772	0.057	0.397	227	218	231	211	203	208	7.2	7.2
1c 70	0.347	0.114	0.545	0.054	0.450	278	265	291	259	247	261	10.0	10.2
1c 95	0.263	0.108	0.479	0.049	0.515	332	317	355	309	295	319	13.6	10.2
1c 120	0.206	0.102	0.434	0.045	0.570	374	356	406	348	331	385	17.2	10.2
1c 150	0.166	0.099	0.402	0.042	0.628	419	400	463	390	372	416	21.5	10.2
1c 185	0.137	0.096	0.380	0.040	0.683	471	448	529	439	417	475	26.5	10.2
1c 240	0.104	0.094	0.355	0.038	0.731	540	514	620	503	478	557	34.3	10.2
1c 300	0.084	0.092	0.339	0.037	0.748	548	520	640	510	484	574	42.9	10.2
1c 400	0.065	0.089	0.325	0.035	0.797	681	645	818	634	601	735	57.2	10.2
1c 500	0.053	0.088	0.316	0.034	0.833	761	720	934	709	670	839	71.5	10.2
1c 630	0.042	0.086	0.307	0.032	0.924	844	797	1060	786	742	952	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Power

3.8/6.6kV 90°C



V3

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

3800/6600 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	215	5.1	2.5	10.9	35.8	1348	4.8
3c 25	233	6.4	2.5	12.2	38.9	1478	7.5
3c 35	253	7.8	2.5	13.6	42.1	1875	10.5
3c 50	272	9.2	2.5	15.0	45.4	2451	15.0
3c 70	294	10.8	2.5	16.6	49.1	3136	21.0
3c 95	323	12.8	2.5	18.6	53.9	4071	24.8
3c 120	346	14.5	2.5	20.3	57.7	4919	28.5
3c 150	371	16.3	2.5	22.1	61.9	6050	33.0
3c 185	395	18.0	2.5	23.8	65.8	7189	38.3
3c 240	430	20.3	2.6	26.3	71.7	9039	46.5
3c 300	467	22.5	2.8	28.9	77.8	11230	55.5

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE					CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀			BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.125	4.849	0.071	0.262	118	98	110	110	92	99	99	2.3	2.3
3c 25	1.002	0.116	3.126	0.063	0.306	150	123	140	140	115	127	127	3.6	3.6
3c 35	0.712	0.109	2.220	0.059	0.352	181	151	172	168	141	155	155	5.0	5.0
3c 50	0.496	0.104	1.547	0.054	0.397	214	176	207	199	164	187	187	7.2	7.2
3c 70	0.350	0.099	1.091	0.052	0.450	262	216	258	244	202	232	232	10.0	10.2
3c 95	0.265	0.094	1.024	0.048	0.515	315	261	315	293	243	284	284	13.6	10.2
3c 120	0.208	0.091	0.980	0.044	0.570	358	294	364	334	274	328	328	17.2	10.2
3c 150	0.167	0.088	0.948	0.042	0.628	403	339	416	376	316	375	375	21.5	10.2
3c 185	0.138	0.086	0.925	0.040	0.683	524	384	551	488	358	497	497	26.5	10.2
3c 240	0.105	0.084	0.900	0.037	0.731	532	447	567	491	417	511	511	34.3	10.2
3c 300	0.085	0.083	0.884	0.036	0.748	598	510	646	557	475	570	570	42.9	10.2

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CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	768	1024	1280	1600	2048	2592	3328	4224	5376
CLASS 6	320	512	800	1120	1600	2240	3072	4096	5376	7168	9472	12288	16384	21248	27392

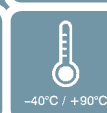
V4

EPR

Flexible Rubber Single Core

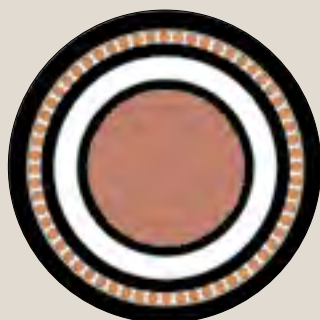
MV Power

6.35/11kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: 1

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

6350/11000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	120	5.1	3.4	12.7	20.0	555	1.6
1c 25	128	6.4	3.4	14.0	21.3	713	2.5
1c 35	143	7.8	3.4	15.4	23.9	929	3.5
1c 50	152	9.2	3.4	16.8	25.3	1235	5.0
1c 70	167	10.8	3.4	18.4	27.8	1633	7.1
1c 95	181	12.8	3.4	20.4	30.1	1908	8.3
1c 120	185	14.5	3.4	22.1	30.9	2139	9.6
1c 150	198	16.3	3.4	23.9	32.9	2470	11.1
1c 185	208	18.0	3.4	25.6	34.7	2788	12.8
1c 240	223	20.3	3.4	27.9	37.2	3320	15.6
1c 300	238	22.5	3.4	30.1	39.7	3949	18.6
1c 400	261	26.0	3.4	33.6	43.5	4806	23.6
1c 500	282	29.2	3.4	36.8	46.9	5805	28.6
1c 630	306	32.8	3.4	40.4	51.0	7049	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

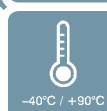
NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
1c 16	1.543	0.144	2.420	0.086	0.210	123	104	118	115	97	106	2.3	2.3
1c 25	0.995	0.134	1.560	0.077	0.242	158	135	155	148	126	140	3.6	3.6
1c 35	0.707	0.129	1.108	0.073	0.277	191	163	193	178	153	174	5.0	5.0
1c 50	0.492	0.122	0.772	0.067	0.311	226	194	232	211	181	209	7.2	7.2
1c 70	0.347	0.118	0.545	0.064	0.349	276	238	291	257	222	262	10.0	10.2
1c 95	0.263	0.112	0.479	0.059	0.397	330	285	356	307	266	320	13.6	10.2
1c 120	0.206	0.106	0.434	0.053	0.438	373	322	406	347	300	365	17.2	10.2
1c 150	0.166	0.103	0.402	0.050	0.481	418	362	463	389	338	416	21.5	10.2
1c 185	0.137	0.100	0.380	0.047	0.522	484	408	529	450	381	475	26.5	10.2
1c 240	0.104	0.097	0.354	0.044	0.577	539	471	620	502	440	557	34.3	10.2
1c 300	0.084	0.094	0.339	0.042	0.629	632	531	707	588	495	635	42.9	10.2
1c 400	0.065	0.091	0.325	0.039	0.712	727	620	840	677	579	754	57.2	10.2
1c 500	0.053	0.088	0.316	0.037	0.789	761	672	934	709	627	839	71.5	10.2
1c 630	0.042	0.086	0.307	0.035	0.874	844	757	1060	786	707	952	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Power

6.35/11kV 90°C



V4

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

6350/11000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF X CROSS SECTION CORES (c) AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	240	5.1	3.4	12.7	40.0	1753	4.8
3c 25	258	6.4	3.4	14.0	43.0	2145	7.5
3c 35	278	7.8	3.4	15.4	46.3	2663	10.5
3c 50	297	9.2	3.4	16.8	49.6	3407	15.0
3c 70	319	10.8	3.4	18.4	53.2	4293	21.0
3c 95	348	12.8	3.4	20.4	58.0	5295	24.8
3c 120	371	14.5	3.4	22.1	61.9	6184	28.5
3c 150	398	16.3	3.4	23.9	66.3	7366	33.0
3c 185	421	18.0	3.4	25.6	70.2	8521	38.3
3c 240	454	20.3	3.4	27.9	75.7	10393	46.5
3c 300	484	22.5	3.4	30.1	80.7	12531	55.5

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NUMBER OF X CROSS SECTION CORES (c) AREA (mm²)	IMPEDANCE					CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R _o 20°C ohm/km	X _o			BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.133	4.849	0.071	0.210	118	99	111	110	92	100	100	2.3	2.3
3c 25	1.002	0.123	3.126	0.063	0.242	150	125	142	140	117	128	128	3.6	3.6
3c 35	0.712	0.116	2.220	0.059	0.277	181	151	174	168	140	157	157	5.0	5.0
3c 50	0.496	0.120	1.547	0.054	0.311	214	178	209	199	166	189	189	7.2	7.2
3c 70	0.350	0.105	1.091	0.052	0.349	262	220	260	244	205	234	234	10.0	10.2
3c 95	0.265	0.099	1.024	0.048	0.397	317	266	323	296	248	291	291	13.6	10.2
3c 120	0.208	0.096	0.979	0.044	0.438	358	303	366	333	282	330	330	17.2	10.2
3c 150	0.167	0.093	0.948	0.042	0.481	378	344	423	406	321	382	382	21.5	10.2
3c 185	0.138	0.090	0.925	0.040	0.522	452	386	476	421	360	429	429	26.5	10.2
3c 240	0.105	0.088	0.900	0.037	0.577	523	443	555	487	413	501	501	34.3	10.2
3c 300	0.085	0.086	0.884	0.036	0.629	593	501	631	552	467	569	569	42.9	10.2

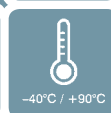
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CONDUCTOR STRANDING - Approx. number of wires

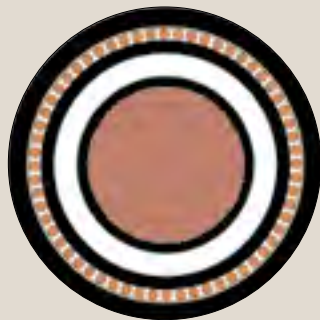
SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

V6

EPR

Flexible Rubber Single Core**MV Power****12.7/22kV 90°C****Typical Applications**

Power Cable for Mining, Industrial and Power Utility.

**Standard Core Configuration**

1C: 1

Construction**Conductor** Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125**Conductor Screen** Semi-Conductive Cross Linked Rubber**Insulation** Ethylene Propylene Rubber (EPR)**Insulation Screen** Semi-Conductive Cross Linked Rubber**Metallic Screen** Plain annealed copper wire**Separator** Polypropylene tape**Jacket** Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.**Operating Temp**

-40°C to +90°C

Voltage Rating

12700/22000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.6	IEC 60502-2
AS/NZS 3808	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 35	169	7.8	5.5	19.6	28.2	1071	3.5
1c 50	179	9.2	5.5	21.0	29.8	1399	5.0
1c 70	195	10.8	5.5	22.6	32.5	1822	7.1
1c 95	207	12.8	5.5	24.6	34.6	2099	8.3
1c 120	214	14.5	5.5	26.3	35.6	2354	9.6
1c 150	225	16.3	5.5	28.1	37.4	2685	11.1
1c 185	236	18.0	5.5	29.8	39.4	3029	12.8
1c 240	252	20.3	5.5	32.1	41.9	3581	15.6
1c 300	266	22.5	5.5	34.3	44.4	4228	18.6
1c 400	289	26.0	5.5	37.8	48.1	5111	23.6
1c 500	310	29.2	5.5	41.0	51.6	6134	28.6
1c 630	333	32.8	5.5	44.6	55.5	7384	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

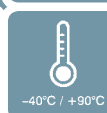
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _t 90°C ohm/km	X _l 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 35	0.707	0.139	1.108	0.082	0.196	190	163	194	177	152	175	5.0	5.0
1c 50	0.492	0.132	0.772	0.075	0.217	224	193	234	209	180	210	7.2	7.2
1c 70	0.347	0.128	0.545	0.070	0.242	274	237	292	255	221	263	10.0	10.2
1c 95	0.263	0.121	0.479	0.064	0.272	328	285	356	306	266	321	13.6	10.2
1c 120	0.206	0.115	0.434	0.059	0.297	371	318	407	345	297	367	17.2	10.2
1c 150	0.165	0.111	0.402	0.056	0.324	416	363	464	387	339	418	21.5	10.2
1c 185	0.136	0.108	0.380	0.053	0.350	468	409	529	436	382	476	26.5	10.2
1c 240	0.104	0.104	0.354	0.050	0.384	538	473	620	501	441	558	34.3	10.2
1c 300	0.084	0.101	0.339	0.047	0.417	602	531	706	560	496	635	42.9	10.2
1c 400	0.065	0.097	0.324	0.044	0.469	698	620	836	650	579	752	57.2	10.2
1c 500	0.053	0.094	0.315	0.041	0.516	762	680	933	709	635	839	71.5	10.2
1c 630	0.042	0.092	0.307	0.039	0.569	847	760	1060	789	710	953	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Power

12.7/22kV 90°C



V6

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

12700/22000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 35	337	7.8	5.5	19.6	56.2	3464	10.5
3c 50	357	9.2	5.5	21.0	59.5	4262	15.0
3c 70	380	10.8	5.5	22.6	63.3	5238	21.0
3c 95	408	12.8	5.5	24.6	67.9	6292	24.8
3c 120	431	14.5	5.5	26.3	71.8	7246	28.5
3c 150	457	16.3	5.5	28.1	76.2	8502	33.0
3c 185	480	18.0	5.5	29.8	80.1	9722	38.3
3c 240	513	20.3	5.5	32.1	85.6	11684	46.5

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 35	0.712	0.129	2.220	0.059	0.196	182	155	180	169	144	162	5.0	5.0
3c 50	0.496	0.122	1.547	0.054	0.217	213	181	212	199	169	192	7.2	7.2
3c 70	0.350	0.116	1.090	0.052	0.242	261	222	262	243	207	237	10.0	10.2
3c 95	0.265	0.110	1.024	0.048	0.272	313	268	320	292	250	289	13.6	10.2
3c 120	0.208	0.106	0.979	0.044	0.297	357	306	369	333	285	333	17.2	10.2
3c 150	0.167	0.102	0.947	0.042	0.324	402	345	419	374	322	378	21.5	10.2
3c 185	0.138	0.099	0.925	0.040	0.350	454	392	478	422	365	432	26.5	10.2
3c 240	0.105	0.096	0.899	0.037	0.384	526	454	560	489	424	506	34.3	10.2

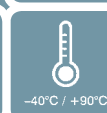
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CONDUCTOR STRANDING - Approx. number of wires

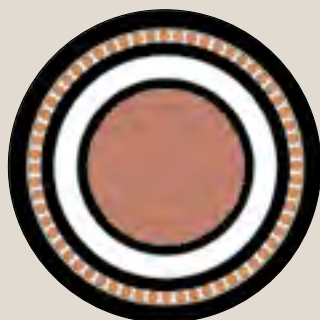
SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1000	1280	1600	2000	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3072	3904	5000	6400	8192	10240	13000	16384	20480

V7

EPR

Flexible Rubber Single Core**MV Power****19/33kV 90°C****Typical Applications**

Power Cable for Mining, Industrial and Power Utility.

**Standard Core Configuration**1C: **1****Construction****Conductor** Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125**Conductor Screen** Semi-Conductive Cross Linked Rubber**Insulation** Ethylene Propylene Rubber (EPR)**Insulation Screen** Semi-Conductive Cross Linked Rubber**Metallic Screen** Plain annealed copper wire**Separator** Polypropylene tape**Jacket** Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.**Operating Temp**

-40°C to +90°C

Voltage Rating

19000/33000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.2	IEC 60502-2
AS/NZS 3808	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 35	203	7.8	8.0	24.6	33.8	1304	3.5
1c 50	212	9.2	8.0	26.0	35.4	1646	5.0
1c 70	229	10.8	8.0	27.6	38.1	2084	7.1
1c 95	241	12.8	8.0	29.6	40.2	2378	8.3
1c 120	246	14.5	8.0	31.3	41.0	2632	9.6
1c 150	258	16.3	8.0	33.1	43.0	2995	11.1
1c 185	270	18.0	8.0	34.8	45.0	3356	12.8
1c 240	285	20.3	8.0	37.1	47.5	3928	15.6
1c 300	299	22.5	8.0	39.3	49.8	4574	18.6
1c 400	323	26.0	8.0	42.8	53.8	5510	23.6
1c 500	343	29.2	8.0	46.0	57.2	6562	28.6
1c 630	367	32.8	8.0	49.6	61.1	7843	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

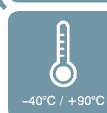
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 35	0.707	0.150	1.108	0.094	0.153	188	165	195	175	154	176	5.0	5.0
1c 50	0.492	0.143	0.772	0.087	0.169	223	195	234	207	183	211	7.2	7.2
1c 70	0.347	0.138	0.544	0.081	0.186	271	240	291	253	224	263	10.0	10.2
1c 95	0.263	0.130	0.479	0.075	0.207	325	287	355	303	268	320	13.6	10.2
1c 120	0.206	0.124	0.434	0.069	0.225	369	326	407	343	304	367	17.2	10.2
1c 150	0.165	0.119	0.402	0.065	0.244	414	366	463	385	342	417	21.5	10.2
1c 185	0.136	0.116	0.379	0.062	0.262	466	413	527	434	386	475	26.5	10.2
1c 240	0.104	0.112	0.354	0.058	0.285	554	478	618	516	446	557	34.3	10.2
1c 300	0.084	0.108	0.338	0.055	0.308	601	537	703	559	501	634	42.9	10.2
1c 400	0.065	0.104	0.324	0.051	0.344	679	611	813	633	570	732	57.2	10.2
1c 500	0.052	0.101	0.315	0.048	0.377	763	688	929	710	642	837	71.5	10.2
1c 630	0.041	0.098	0.306	0.045	0.414	850	776	1057	791	724	952	90.1	10.2

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Flexible Rubber Multi-core

MV Power

19/33kV 90°C



V7

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Submersible to 500m. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

19000/33000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 35	408	7.8	8.0	24.6	68.0	4645	10.5
3c 50	428	9.2	8.0	26.0	71.3	5508	15.0
3c 70	450	10.8	8.0	27.6	75.1	6531	21.0
3c 95	479	12.8	8.0	29.6	79.8	7709	24.8
3c 120	502	14.5	8.0	31.3	83.7	8740	28.5
3c 150	528	16.3	8.0	33.1	88.0	10085	33.0

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R ₁ 90°C ohm/km	X ₁ 50 Hz	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 35	0.712	0.142	2.216	0.094	0.153	181	157	181	168	146	164	5.0	5.0
3c 50	0.496	0.135	1.544	0.087	0.169	213	184	214	198	172	193	7.2	7.2
3c 70	0.350	0.128	1.088	0.082	0.186	260	226	265	242	210	239	10.0	10.2
3c 95	0.265	0.121	1.023	0.075	0.207	312	271	321	291	253	291	13.6	10.2
3c 120	0.207	0.116	0.978	0.069	0.225	356	309	370	331	289	334	17.2	10.2
3c 150	0.167	0.112	0.946	0.065	0.244	400	349	420	373	325	380	21.5	10.2

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CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	800	1000	1250	1600	2000	2500	3200	4000	5000
CLASS 6	320	512	800	1120	1400	1792	2240	2720	3200	3920	4800	5760	7040	8736	10752

E2

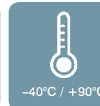
EPR

Flexible LSZH Rubber Single Core**MV Power****1.9/3.3kV 90°C**LOW SMOKE
ZERO HALOGEN

HIGH FLEXIBILITY



UV RESISTANT

FLAME
RETARDANT

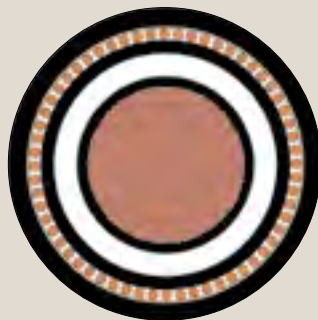
-40°C / +90°C



1.9/3.3kV

**Typical Applications**

Power Cable for Mining, Industrial and Power Utility.

**Standard Core Configuration**

1C: 1

Construction**Conductor** Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125**Conductor Screen** Semi-Conductive Cross Linked Rubber**Insulation** Ethylene Propylene Rubber (EPR)**Insulation Screen** Semi-Conductive Cross Linked Rubber**Metallic Screen** Plain annealed copper wire**Separator** Polypropylene tape**Jacket** Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.**Operating Temp**

-40°C to +90°C

Voltage Rating

1900/3300 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 1660.5.1	IEC 60754-2
AS/NZS 1660.5.2	IEC 60502-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 1660.5.6	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	105	5.1	2.2	10.3	17.4	346	1.6
1c 25	113	6.4	2.2	11.6	18.8	422	2.5
1c 35	128	7.8	2.2	13.0	21.3	541	3.5
1c 50	137	9.2	2.2	14.4	22.7	702	5.0
1c 70	152	10.8	2.2	16.0	25.3	900	7.1
1c 95	167	12.8	2.4	18.4	27.7	1170	8.3
1c 120	173	14.5	2.4	20.1	28.8	1408	9.6
1c 150	184	16.3	2.4	21.9	30.6	1721	11.1
1c 185	195	18.0	2.4	23.6	32.5	2046	12.8
1c 240	211	20.3	2.4	25.9	35.1	2572	15.6
1c 300	224	22.5	2.4	28.1	37.3	3179	18.6
1c 400	251	26.0	2.6	32.0	41.8	4066	23.6
1c 500	274	29.2	2.8	35.6	45.7	5083	28.6
1c 630	297	32.8	2.8	39.2	49.6	6301	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

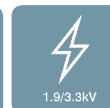
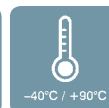
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN µF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _l 50 Hz ohm/km	R _o 20°C ohm/km	X _o		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
1c 16	1.554	0.136	2.420	0.071	0.289	124	102	117	115	95	105	2.3	2.3
1c 25	1.002	0.126	1.560	0.063	0.338	162	134	156	149	125	140	3.6	3.6
1c 35	0.712	0.122	1.108	0.059	0.390	194	160	192	180	149	173	5.0	5.0
1c 50	0.496	0.115	0.772	0.054	0.442	229	190	232	213	177	208	7.2	7.2
1c 70	0.350	0.112	0.544	0.052	0.501	278	233	290	259	218	261	10.0	10.2
1c 95	0.265	0.107	0.478	0.048	0.533	331	281	355	309	262	319	13.6	10.2
1c 120	0.208	0.102	0.433	0.044	0.590	375	317	406	349	296	363	17.2	10.2
1c 150	0.167	0.098	0.401	0.042	0.651	420	357	463	391	333	416	21.5	10.2
1c 185	0.138	0.096	0.378	0.040	0.709	500	437	606	466	408	544	26.5	10.2
1c 240	0.106	0.093	0.352	0.037	0.786	541	465	620	504	434	557	34.3	10.2
1c 300	0.086	0.090	0.336	0.036	0.860	605	523	707	563	488	634	42.9	10.2
1c 400	0.067	0.088	0.321	0.034	0.909	681	595	818	634	555	734	57.2	10.2
1c 500	0.055	0.087	0.310	0.033	0.941	761	667	934	708	623	839	71.5	10.2
1c 630	0.044	0.084	0.301	0.031	1.045	843	738	1060	785	688	951	90.1	10.2

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Flexible LSZH Rubber Multi-core

MV Power

1.9/3.3kV 90°C



E2

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

1900/3300 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 3808 IEC 60332-3-22
AS/NZS 1660.5.1 IEC 60754-2
AS/NZS 1660.5.2 IEC 60502-2
AS/NZS 1660.5.4 IEC 61034-1&2
AS/NZS 1660.5.6



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	206	5.1	2.2	10.3	34.3	1429	4.8
3c 25	224	6.4	2.2	11.6	37.3	1808	7.5
3c 35	244	7.8	2.2	13.0	40.6	2299	10.5
3c 50	263	9.2	2.2	14.4	43.9	3015	15.0
3c 70	286	10.8	2.2	16.0	47.7	3892	21.0
3c 95	319	12.8	2.4	18.4	53.1	4906	24.8
3c 120	344	14.5	2.4	20.1	57.3	5794	28.5
3c 150	368	16.3	2.4	21.9	61.4	6923	33.0
3c 185	392	18.0	2.4	23.6	65.4	8052	38.3
3c 240	425	20.3	2.4	25.9	70.8	9890	46.5
3c 300	456	22.5	2.4	28.1	76.0	12030	55.5

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE					CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R ₁ 90°C ohm/km	X ₁ 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀			BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.122	4.849	0.071	0.289	118	90	109	110	97	98	98	2.3	2.3
3c 25	1.002	0.113	3.126	0.063	0.338	150	121	140	140	113	126	126	3.6	3.6
3c 35	0.712	0.107	2.220	0.059	0.390	183	151	175	170	141	158	158	5.0	5.0
3c 50	0.496	0.101	1.547	0.054	0.442	214	177	206	199	165	186	186	7.2	7.2
3c 70	0.350	0.097	1.091	0.052	0.501	263	217	257	244	203	232	232	10.0	10.2
3c 95	0.265	0.094	1.024	0.048	0.533	316	263	317	294	246	285	285	13.6	10.2
3c 120	0.208	0.090	0.980	0.044	0.590	361	301	367	336	281	331	331	17.2	10.2
3c 150	0.167	0.088	0.948	0.042	0.651	407	338	420	379	315	378	378	21.5	10.2
3c 185	0.138	0.086	0.925	0.040	0.709	460	386	482	428	360	434	434	26.5	10.2
3c 240	0.105	0.083	0.900	0.037	0.786	531	449	565	494	419	512	512	34.3	10.2
3c 300	0.086	0.081	0.885	0.036	0.860	587	497	629	546	463	567	567	42.9	10.2

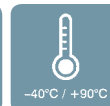
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CONDUCTOR STRANDING - Approx. number of wires

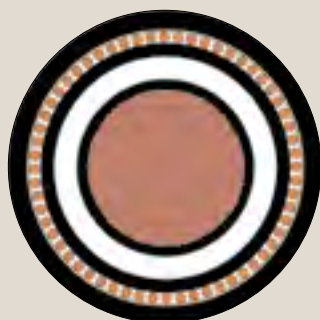
SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

E3

EPR

Flexible LSZH Rubber Single Core**MV Power****3.8/6.6kV 90°C****Typical Applications**

Power Cable for Mining, Industrial and Power Utility.

**Standard Core Configuration**

1C: 1

Construction**Conductor** Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125**Conductor Screen** Semi-Conductive Cross Linked Rubber**Insulation** Ethylene Propylene Rubber (EPR)**Insulation Screen** Semi-Conductive Cross Linked Rubber**Metallic Screen** Plain annealed copper wire**Separator** Polypropylene tape**Jacket** Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.**Operating Temp**

-40°C to +90°C

Voltage Rating

3800/6600 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 1660.5.1	IEC 60754-2
AS/NZS 1660.5.2	IEC 60502-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 1660.5.6	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	108	5.1	2.5	10.9	18.1	509	1.6
1c 25	116	6.4	2.5	12.2	19.4	668	2.5
1c 35	132	7.8	2.5	13.6	21.9	880	3.5
1c 50	140	9.2	2.5	15.0	23.4	1184	5.0
1c 70	155	10.8	2.5	16.6	25.9	1577	7.1
1c 95	168	12.8	2.5	18.6	27.9	1836	8.3
1c 120	174	14.5	2.5	20.3	29.0	2074	9.6
1c 150	185	16.3	2.5	22.1	30.8	2387	11.1
1c 185	196	18.0	2.5	23.8	32.7	2713	12.8
1c 240	213	20.3	2.6	26.3	35.5	3251	15.6
1c 300	231	22.5	2.8	28.9	38.5	3896	18.6
1c 400	256	26.0	3.0	32.8	42.6	4772	23.6
1c 500	279	29.2	3.2	36.4	46.5	5793	28.6
1c 630	304	32.8	3.2	40.0	50.6	7037	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

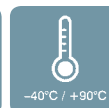
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _l 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 16	1.543	0.138	2.420	0.074	0.262	124	119	117	115	110	106	2.3	2.3
1c 25	0.995	0.128	1.560	0.066	0.306	159	153	154	148	142	138	3.6	3.6
1c 35	0.707	0.124	1.108	0.062	0.352	192	185	192	179	172	173	5.0	5.0
1c 50	0.492	0.117	0.772	0.057	0.397	227	218	231	211	203	208	7.2	7.2
1c 70	0.347	0.114	0.545	0.054	0.450	278	265	291	259	247	261	10.0	10.2
1c 95	0.263	0.108	0.479	0.049	0.515	332	317	355	309	295	319	13.6	10.2
1c 120	0.206	0.102	0.434	0.045	0.570	374	356	406	348	331	385	17.2	10.2
1c 150	0.166	0.099	0.402	0.042	0.628	419	400	463	390	372	416	21.5	10.2
1c 185	0.137	0.096	0.380	0.040	0.683	471	448	529	439	417	475	26.5	10.2
1c 240	0.104	0.094	0.355	0.038	0.731	540	514	620	503	478	557	34.3	10.2
1c 300	0.084	0.092	0.339	0.037	0.748	548	520	640	510	484	574	42.9	10.2
1c 400	0.065	0.089	0.325	0.035	0.797	681	645	818	634	601	735	57.2	10.2
1c 500	0.053	0.088	0.316	0.034	0.833	761	720	934	709	670	839	71.5	10.2
1c 630	0.042	0.086	0.307	0.032	0.924	844	797	1060	786	742	952	90.1	10.2

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Flexible LSZH Rubber Multi-core

MV Power

3.8/6.6kV 90°C



E3

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

3800/6600 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 1660.5.1	IEC 60754-2
AS/NZS 1660.5.2	IEC 60502-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 1660.5.6	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	215	5.1	2.5	10.9	35.8	1519	4.8
3c 25	233	6.4	2.5	12.2	38.9	1903	7.5
3c 35	253	7.8	2.5	13.6	42.1	2402	10.5
3c 50	272	9.2	2.5	15.0	45.4	3127	15.0
3c 70	294	10.8	2.5	16.6	49.1	3992	21.0
3c 95	323	12.8	2.5	18.6	53.9	4967	24.8
3c 120	346	14.5	2.5	20.3	57.7	5834	28.5
3c 150	371	16.3	2.5	22.1	61.9	6967	33.0
3c 185	395	18.0	2.5	23.8	65.8	8099	38.3
3c 240	430	20.3	2.6	26.3	71.7	9990	46.5
3c 300	467	22.5	2.8	28.9	77.8	12248	55.5

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz	R _o 20°C ohm/km	X _o		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.125	4.849	0.071	0.262	118	98	110	110	92	99	2.3	2.3
3c 25	1.002	0.116	3.126	0.063	0.306	150	123	140	140	115	127	3.6	3.6
3c 35	0.712	0.109	2.220	0.059	0.352	181	151	172	168	141	155	5.0	5.0
3c 50	0.496	0.104	1.547	0.054	0.397	214	176	207	199	164	187	7.2	7.2
3c 70	0.350	0.099	1.091	0.052	0.450	262	216	258	244	202	232	10.0	10.2
3c 95	0.265	0.094	1.024	0.048	0.515	315	261	315	293	243	284	13.6	10.2
3c 120	0.208	0.091	0.980	0.044	0.570	358	294	364	334	274	328	17.2	10.2
3c 150	0.167	0.088	0.948	0.042	0.628	403	339	416	376	316	375	21.5	10.2
3c 185	0.138	0.086	0.925	0.040	0.683	524	384	551	488	358	497	26.5	10.2
3c 240	0.105	0.084	0.900	0.037	0.731	532	447	567	491	417	511	34.3	10.2
3c 300	0.085	0.083	0.884	0.036	0.748	598	510	646	557	475	570	42.9	10.2

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CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

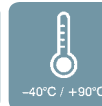
E4

EPR

Flexible LSZH Rubber Single Core

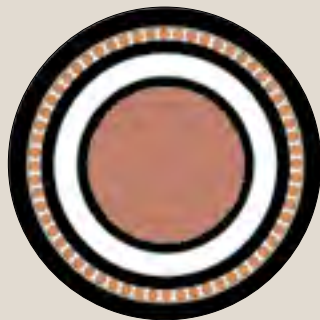
MV Power

6.35/11kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: 1

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

6350/11000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 1660.5.1	IEC 60754-2
AS/NZS 1660.5.2	IEC 60502-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 1660.5.6	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	120	5.1	3.4	12.7	20.0	559	1.6
1c 25	128	6.4	3.4	14.0	21.3	717	2.5
1c 35	143	7.8	3.4	15.4	23.9	934	3.5
1c 50	152	9.2	3.4	16.8	25.3	1241	5.0
1c 70	167	10.8	3.4	18.4	27.8	1639	7.1
1c 95	181	12.8	3.4	20.4	30.1	1916	8.3
1c 120	185	14.5	3.4	22.1	30.9	2146	9.6
1c 150	198	16.3	3.4	23.9	32.9	2479	11.1
1c 185	208	18.0	3.4	25.6	34.7	2796	12.8
1c 240	223	20.3	3.4	27.9	37.2	3329	15.6
1c 300	238	22.5	3.4	30.1	39.7	3961	18.6
1c 400	261	26.0	3.4	33.6	43.5	4818	23.6
1c 500	282	29.2	3.4	36.8	46.9	5819	28.6
1c 630	306	32.8	3.4	40.4	51.0	7066	35.1

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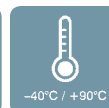
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 16	1.543	0.144	2.420	0.086	0.210	123	104	118	115	97	106	2.3	2.3
1c 25	0.995	0.134	1.560	0.077	0.242	158	135	155	148	126	140	3.6	3.6
1c 35	0.707	0.129	1.108	0.073	0.277	191	163	193	178	153	174	5.0	5.0
1c 50	0.492	0.122	0.772	0.067	0.311	226	194	232	211	181	209	7.2	7.2
1c 70	0.347	0.118	0.545	0.064	0.349	276	238	291	257	222	262	10.0	10.2
1c 95	0.263	0.112	0.479	0.059	0.397	330	285	356	307	266	320	13.6	10.2
1c 120	0.206	0.106	0.434	0.053	0.438	373	322	406	347	300	365	17.2	10.2
1c 150	0.166	0.103	0.402	0.050	0.481	418	362	463	389	338	416	21.5	10.2
1c 185	0.137	0.100	0.380	0.047	0.522	484	408	529	450	381	475	26.5	10.2
1c 240	0.104	0.097	0.354	0.044	0.577	539	471	620	502	440	557	34.3	10.2
1c 300	0.084	0.094	0.339	0.042	0.629	632	531	707	588	495	635	42.9	10.2
1c 400	0.065	0.091	0.325	0.039	0.712	727	620	840	677	579	754	57.2	10.2
1c 500	0.053	0.088	0.316	0.037	0.789	761	672	934	709	627	839	71.5	10.2
1c 630	0.042	0.086	0.307	0.035	0.874	844	757	1060	786	707	952	90.1	10.2

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Flexible LSZH Rubber Multi-core

MV Power

6.35/11kV 90°C



E4

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

6350/11000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
 AS/NZS 1429.1 IEC 60332-1
 AS/NZS 3808 IEC 60332-3-22
 AS/NZS 1660.5.1 IEC 60754-2
 AS/NZS 1660.5.2 IEC 60502-2
 AS/NZS 1660.5.4 IEC 61034-1&2
 AS/NZS 1660.5.6



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	240	5.1	3.4	12.7	40.0	1777	4.8
3c 25	258	6.4	3.4	14.0	43.0	2173	7.5
3c 35	278	7.8	3.4	15.4	46.3	2694	10.5
3c 50	297	9.2	3.4	16.8	49.6	3443	15.0
3c 70	319	10.8	3.4	18.4	53.2	4334	21.0
3c 95	348	12.8	3.4	20.4	58.0	5344	24.8
3c 120	371	14.5	3.4	22.1	61.9	6238	28.5
3c 150	398	16.3	3.4	23.9	66.3	7430	33.0
3c 185	421	18.0	3.4	25.6	70.2	8591	38.3
3c 240	454	20.3	3.4	27.9	75.7	10473	46.5
3c 300	484	22.5	3.4	30.1	80.7	12621	55.5

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE					CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀			BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.133	4.849	0.071	0.210	118	99	111	110	92	100	100	2.3	2.3
3c 25	1.002	0.123	3.126	0.063	0.242	150	125	142	140	117	128	128	3.6	3.6
3c 35	0.712	0.116	2.220	0.059	0.277	181	151	174	168	140	157	157	5.0	5.0
3c 50	0.496	0.120	1.547	0.054	0.311	214	178	209	199	166	189	189	7.2	7.2
3c 70	0.350	0.105	1.091	0.052	0.349	262	220	260	244	205	234	234	10.0	10.2
3c 95	0.265	0.099	1.024	0.048	0.397	317	266	323	296	248	291	291	13.6	10.2
3c 120	0.208	0.096	0.979	0.044	0.438	358	303	366	333	282	330	330	17.2	10.2
3c 150	0.167	0.093	0.948	0.042	0.481	378	344	423	406	321	382	382	21.5	10.2
3c 185	0.138	0.090	0.925	0.040	0.522	452	386	476	421	360	429	429	26.5	10.2
3c 240	0.105	0.088	0.900	0.037	0.577	523	443	555	487	413	501	501	34.3	10.2
3c 300	0.085	0.086	0.884	0.036	0.629	593	501	631	552	467	569	569	42.9	10.2

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CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

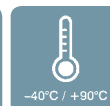
IE6

EPR

Flexible LSZH Rubber Single Core

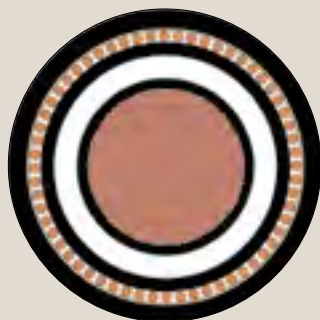
MV Power

12.7/22kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: 1

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

12700/22000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 1660.5.1	IEC 60754-2
AS/NZS 1660.5.2	IEC 60502-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 1660.5.6	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 35	169	7.8	5.5	19.6	28.2	1077	3.5
1c 50	179	9.2	5.5	21.0	29.8	1407	5.0
1c 70	195	10.8	5.5	22.6	32.5	1829	7.1
1c 95	207	12.8	5.5	24.6	34.6	2107	8.3
1c 120	214	14.5	5.5	26.3	35.6	2363	9.6
1c 150	225	16.3	5.5	28.1	37.4	2695	11.1
1c 185	236	18.0	5.5	29.8	39.4	3041	12.8
1c 240	252	20.3	5.5	32.1	41.9	3592	15.6
1c 300	266	22.5	5.5	34.3	44.4	4241	18.6
1c 400	289	26.0	5.5	37.8	48.1	5127	23.6
1c 500	310	29.2	5.5	41.0	51.6	6151	28.6
1c 630	333	32.8	5.5	44.6	55.5	7402	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

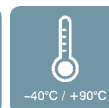
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _t 90°C ohm/km	X _l 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 35	0.707	0.139	1.108	0.082	0.196	190	163	194	177	152	175	5.0	5.0
1c 50	0.492	0.132	0.772	0.075	0.217	224	193	234	209	180	210	7.2	7.2
1c 70	0.347	0.128	0.545	0.070	0.242	274	237	292	255	221	263	10.0	10.2
1c 95	0.263	0.121	0.479	0.064	0.272	328	285	356	306	266	321	13.6	10.2
1c 120	0.206	0.115	0.434	0.059	0.297	371	318	407	345	297	367	17.2	10.2
1c 150	0.165	0.111	0.402	0.056	0.324	416	363	464	387	339	418	21.5	10.2
1c 185	0.136	0.108	0.380	0.053	0.350	468	409	529	436	382	476	26.5	10.2
1c 240	0.104	0.104	0.354	0.050	0.384	538	473	620	501	441	558	34.3	10.2
1c 300	0.084	0.101	0.339	0.047	0.417	602	531	706	560	496	635	42.9	10.2
1c 400	0.065	0.097	0.324	0.044	0.469	698	620	836	650	579	752	57.2	10.2
1c 500	0.053	0.094	0.315	0.041	0.516	762	680	933	709	635	839	71.5	10.2
1c 630	0.042	0.092	0.307	0.039	0.569	847	760	1060	789	710	953	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible LSZH Rubber Multi-core

MV Power

12.7/22kV 90°C



E6

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: 1 2 3

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low-Friction LSFLEX[®] T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

12700/22000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 3808 IEC 60332-3-22
AS/NZS 1660.5.1 IEC 60754-2
AS/NZS 1660.5.2 IEC 60502-2
AS/NZS 1660.5.4 IEC 61034-1&2
AS/NZS 1660.5.6



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 35	337	7.8	5.5	19.6	56.2	3509	10.5
3c 50	357	9.2	5.5	21.0	59.5	4313	15.0
3c 70	380	10.8	5.5	22.6	63.3	5295	21.0
3c 95	408	12.8	5.5	24.6	67.9	6358	24.8
3c 120	431	14.5	5.5	26.3	71.8	7319	28.5
3c 150	457	16.3	5.5	28.1	76.2	8583	33.0
3c 185	480	18.0	5.5	29.8	80.1	9811	38.3
3c 240	513	20.3	5.5	32.1	85.6	11786	46.5

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 35	0.712	0.129	2.220	0.059	0.196	182	155	180	169	144	162	5.0	5.0
3c 50	0.496	0.122	1.547	0.054	0.217	213	181	212	199	169	192	7.2	7.2
3c 70	0.350	0.116	1.090	0.052	0.242	261	222	262	243	207	237	10.0	10.2
3c 95	0.265	0.110	1.024	0.048	0.272	313	268	320	292	250	289	13.6	10.2
3c 120	0.208	0.106	0.979	0.044	0.297	357	306	369	333	285	333	17.2	10.2
3c 150	0.167	0.102	0.947	0.042	0.324	402	345	419	374	322	378	21.5	10.2
3c 185	0.138	0.099	0.925	0.040	0.350	454	392	478	422	365	432	26.5	10.2
3c 240	0.105	0.096	0.899	0.037	0.384	526	454	560	489	424	506	34.3	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1000	1280	1600	2000	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1400	1792	2240	2720	3360	4096	5000	6144	7680	9600	12000

E7

EPR

Flexible LSZH Rubber Single Core

MV Power

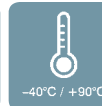
19/33kV 90°C

LOW SMOKE
ZERO HALOGEN

HIGH FLEXIBILITY



UV RESISTANT

FLAME
RETARDANT

-40°C / +90°C

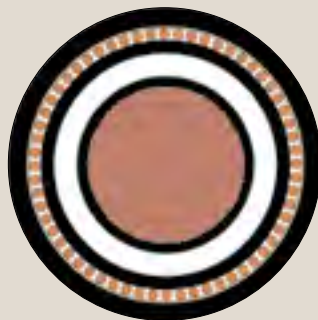


* IEC 61010



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: **1**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket Low-Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

19000/33000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 1660.5.1	IEC 60754-2
AS/NZS 1660.5.2	IEC 60502-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 1660.5.6	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 35	203	7.8	8.0	24.6	33.8	1312	3.5
1c 50	212	9.2	8.0	26.0	35.4	1654	5.0
1c 70	229	10.8	8.0	27.6	38.1	2094	7.1
1c 95	241	12.8	8.0	29.6	40.2	2389	8.3
1c 120	246	14.5	8.0	31.3	41.0	2643	9.6
1c 150	258	16.3	8.0	33.1	43.0	3006	11.1
1c 185	270	18.0	8.0	34.8	45.0	3369	12.8
1c 240	285	20.3	8.0	37.1	47.5	3942	15.6
1c 300	299	22.5	8.0	39.3	49.8	4589	18.6
1c 400	323	26.0	8.0	42.8	53.8	5527	23.6
1c 500	343	29.2	8.0	46.0	57.2	6581	28.6
1c 630	367	32.8	8.0	49.6	61.1	7864	35.1

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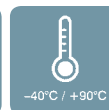
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _t 90°C ohm/km	X _l 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 35	0.707	0.150	1.108	0.094	0.153	188	165	195	175	154	176	5.0	5.0
1c 50	0.492	0.143	0.772	0.087	0.169	223	195	234	207	183	211	7.2	7.2
1c 70	0.347	0.138	0.544	0.081	0.186	271	240	291	253	224	263	10.0	10.2
1c 95	0.263	0.130	0.479	0.075	0.207	325	287	355	303	268	320	13.6	10.2
1c 120	0.206	0.124	0.434	0.069	0.225	369	326	407	343	304	367	17.2	10.2
1c 150	0.165	0.119	0.402	0.065	0.244	414	366	463	385	342	417	21.5	10.2
1c 185	0.136	0.116	0.379	0.062	0.262	466	413	527	434	386	475	26.5	10.2
1c 240	0.104	0.112	0.354	0.058	0.285	554	478	618	516	446	557	34.3	10.2
1c 300	0.084	0.108	0.338	0.055	0.308	601	537	703	559	501	634	42.9	10.2
1c 400	0.065	0.104	0.324	0.051	0.344	679	611	813	633	570	732	57.2	10.2
1c 500	0.052	0.101	0.315	0.048	0.377	763	688	929	710	642	837	71.5	10.2
1c 630	0.041	0.098	0.306	0.045	0.414	850	776	1057	791	724	952	90.1	10.2

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Flexible LSZH Rubber Multi-core

MV Power

19/33kV 90°C



E7

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket Low-Friction LSFLEX[®] T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

19000/33000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 3808 IEC 60332-3-22
AS/NZS 1660.5.1 IEC 60754-2
AS/NZS 1660.5.2 IEC 60502-2
AS/NZS 1660.5.4 IEC 61034-1&2
AS/NZS 1660.5.6



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 35	408	7.8	8.0	24.6	68.0	4710	10.5
3c 50	428	9.2	8.0	26.0	71.3	5580	15.0
3c 70	450	10.8	8.0	27.6	75.1	6610	21.0
3c 95	479	12.8	8.0	29.6	79.8	7798	24.8
3c 120	502	14.5	8.0	31.3	83.7	8838	28.5
3c 150	528	16.3	8.0	33.1	88.0	10193	33.0

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 35	0.712	0.142	2.216	0.094	0.153	181	157	181	168	146	164	5.0	5.0
3c 50	0.496	0.135	1.544	0.087	0.169	213	184	214	198	172	193	7.2	7.2
3c 70	0.350	0.128	1.088	0.082	0.186	260	226	265	242	210	239	10.0	10.2
3c 95	0.265	0.121	1.023	0.075	0.207	312	271	321	291	253	291	13.6	10.2
3c 120	0.207	0.116	0.978	0.069	0.225	356	309	370	331	289	334	17.2	10.2
3c 150	0.167	0.112	0.946	0.065	0.244	400	349	420	373	325	380	21.5	10.2

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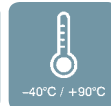
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1000	1280	1600	2000	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3136	4000	5120	6528	8384	10496	13440	17056	21504

N2

EPR

Flexible Rubber Single Core MV Termite Resistant Power 1.9/3.3kV 90°C

**Typical Applications**

Power Cable for Mining, Industrial and Power Utility.

**Standard Core Configuration**1C: **1****Construction**

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

1900/3300 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1429.1

AS/NZS 1660.5.1

AS/NZS 1660.5.6

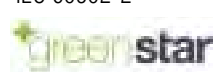
AS/NZS 3808

IEC 60228

IEC 60332-1

IEC 60332-3-22

IEC 60502-2



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	157	5.1	2.2	10.3	17.1	19.6	415	1.6
1c 25	167	6.4	2.2	11.6	18.4	20.9	498	2.5
1c 35	188	7.8	2.2	13.0	20.9	23.5	625	3.5
1c 50	199	9.2	2.2	14.4	22.3	24.9	792	5.0
1c 70	220	10.8	2.2	16.0	24.8	27.4	999	7.1
1c 95	239	12.8	2.4	18.4	27.2	29.9	1278	8.3
1c 120	247	14.5	2.4	20.1	28.2	30.9	1520	9.6
1c 150	262	16.3	2.4	21.9	30.0	32.7	1839	11.1
1c 185	277	18.0	2.4	23.6	31.9	34.7	2172	12.8
1c 240	298	20.3	2.4	25.9	34.4	37.2	2707	15.6
1c 300	316	22.5	2.4	28.1	36.6	39.5	3322	18.6
1c 400	351	26.0	2.6	32.0	41.0	43.9	4224	23.6
1c 500	382	29.2	2.8	35.6	44.8	47.7	5255	28.6
1c 630	413	32.8	2.8	39.2	48.6	51.6	6485	35.1

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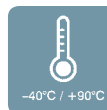
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN µF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀ ohm/km		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 16	1.554	0.143	2.420	0.071	0.289	124	102	117	115	95	105	2.3	2.3
1c 25	1.002	0.133	1.560	0.063	0.338	162	134	156	149	125	140	3.6	3.6
1c 35	0.712	0.128	1.108	0.059	0.390	194	160	192	180	149	173	5.0	5.0
1c 50	0.496	0.121	0.772	0.055	0.442	229	190	232	213	177	208	7.2	7.2
1c 70	0.350	0.117	0.544	0.052	0.501	278	233	290	259	218	261	10.0	10.2
1c 95	0.265	0.112	0.478	0.048	0.533	331	281	355	309	262	319	13.6	10.2
1c 120	0.208	0.106	0.433	0.044	0.590	375	317	406	349	296	363	17.2	10.2
1c 150	0.167	0.102	0.401	0.042	0.651	420	357	463	391	333	416	21.5	10.2
1c 185	0.138	0.100	0.378	0.040	0.709	500	437	606	466	408	544	26.5	10.2
1c 240	0.106	0.097	0.352	0.037	0.786	541	465	620	504	434	557	34.3	10.2
1c 300	0.086	0.094	0.336	0.036	0.860	605	523	707	563	488	634	42.9	10.2
1c 400	0.067	0.091	0.321	0.034	0.909	681	595	818	634	555	734	57.2	10.2
1c 500	0.055	0.089	0.310	0.033	0.941	761	667	934	708	623	839	71.5	10.2
1c 630	0.044	0.087	0.301	0.031	1.045	843	738	1060	785	688	951	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Termite Resistant Power

1.9/3.3kV 90°C



N2

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

1900/3300 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1429.1

AS/NZS 1660.5.1

AS/NZS 1660.5.6

AS/NZS 3808

IEC 60228

IEC 60332-1

IEC 60332-3-22

IEC 60502-2



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	290	5.1	2.2	10.3	33.6	36.3	1874	4.8
3c 25	315	6.4	2.2	11.6	36.6	39.4	2323	7.5
3c 35	341	7.8	2.2	13.0	39.8	42.6	2892	10.5
3c 50	367	9.2	2.2	14.4	43.0	45.9	3692	15.0
3c 70	398	10.8	2.2	16.0	46.8	49.8	4678	21.0
3c 95	442	12.8	2.4	18.4	52.1	55.3	5858	24.8
3c 120	475	14.5	2.4	20.1	56.2	59.4	6881	28.5
3c 150	508	16.3	2.4	21.9	60.2	63.5	8154	33.0
3c 185	539	18.0	2.4	23.6	64.1	67.4	9429	38.3
3c 240	583	20.3	2.4	25.9	69.4	72.9	11481	46.5
3c 300	625	22.5	2.4	28.1	74.5	78.1	13841	55.5

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

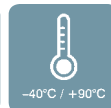
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.122	4.849	0.071	0.289	118	90	109	110	97	98	2.3	2.3
3c 25	1.002	0.113	3.126	0.063	0.338	150	121	140	140	113	126	3.6	3.6
3c 35	0.712	0.107	2.220	0.059	0.390	183	151	175	170	141	158	5.0	5.0
3c 50	0.496	0.102	1.547	0.055	0.442	214	177	206	199	165	186	7.2	7.2
3c 70	0.350	0.097	1.091	0.052	0.501	263	217	257	244	203	232	10.0	10.2
3c 95	0.265	0.094	1.024	0.048	0.533	316	263	317	294	246	285	13.6	10.2
3c 120	0.208	0.091	0.980	0.044	0.590	361	301	367	336	281	331	17.2	10.2
3c 150	0.167	0.088	0.948	0.042	0.651	407	338	420	379	315	378	21.5	10.2
3c 185	0.138	0.086	0.925	0.040	0.709	460	386	482	428	360	434	26.5	10.2
3c 240	0.105	0.083	0.900	0.037	0.786	531	449	565	494	419	512	34.3	10.2
3c 300	0.086	0.081	0.885	0.036	0.860	587	497	629	546	463	567	42.9	10.2

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N3

EPR

Flexible Rubber Single Core MV Termite Resistant Power 3.8/6.6kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: **1**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

3800/6600 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1429.1

AS/NZS 1660.5.1

AS/NZS 1660.5.6

AS/NZS 3808

IEC 60228

IEC 60332-1

IEC 60332-3-22

IEC 60502-2



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	162	5.1	2.5	10.9	17.7	20.2	585	1.6
1c 25	172	6.4	2.5	12.2	19.0	21.5	749	2.5
1c 35	193	7.8	2.5	13.6	21.5	24.1	972	3.5
1c 50	204	9.2	2.5	15.0	22.9	25.5	1281	5.0
1c 70	224	10.8	2.5	16.6	25.4	28.1	1684	7.1
1c 95	241	12.8	2.5	18.6	27.4	30.1	1951	8.3
1c 120	249	14.5	2.5	20.3	28.4	31.1	2193	9.6
1c 150	264	16.3	2.5	22.1	30.2	32.9	2513	11.1
1c 185	279	18.0	2.5	23.8	32.1	34.9	2848	12.8
1c 240	301	20.3	2.6	26.3	34.8	37.6	3396	15.6
1c 300	324	22.5	2.8	28.9	37.7	40.5	4052	18.6
1c 400	357	26.0	3.0	32.8	41.8	44.7	4944	23.6
1c 500	388	29.2	3.2	36.4	45.6	48.6	5981	28.6
1c 630	421	32.8	3.2	40.0	49.6	52.6	7241	35.1

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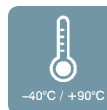
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀ ohm/km		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
1c 16	1.543	0.145	2.420	0.074	0.262	124	119	117	115	110	106	2.3	2.3
1c 25	0.995	0.135	1.560	0.066	0.306	159	153	154	148	142	138	3.6	3.6
1c 35	0.707	0.129	1.108	0.062	0.352	192	185	192	179	172	173	5.0	5.0
1c 50	0.492	0.122	0.772	0.057	0.397	227	218	231	211	203	208	7.2	7.2
1c 70	0.347	0.118	0.545	0.054	0.450	278	265	291	259	247	261	10.0	10.2
1c 95	0.263	0.112	0.479	0.049	0.515	332	317	355	309	295	319	13.6	10.2
1c 120	0.206	0.106	0.434	0.045	0.570	374	356	406	348	331	385	17.2	10.2
1c 150	0.166	0.103	0.402	0.042	0.628	419	400	463	390	372	416	21.5	10.2
1c 185	0.137	0.100	0.380	0.040	0.683	471	448	529	439	417	475	26.5	10.2
1c 240	0.104	0.097	0.355	0.038	0.731	540	514	620	503	478	557	34.3	10.2
1c 300	0.084	0.095	0.339	0.037	0.748	548	520	640	510	484	574	42.9	10.2
1c 400	0.065	0.092	0.325	0.035	0.797	681	645	818	634	601	735	57.2	10.2
1c 500	0.053	0.090	0.316	0.034	0.833	761	720	934	709	670	839	71.5	10.2
1c 630	0.042	0.088	0.307	0.032	0.924	844	797	1060	786	742	952	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Termite Resistant Power

3.8/6.6kV 90°C



N3

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

3800/6600 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	303	5.1	2.5	10.9	35.1	37.8	1997	4.8
3c 25	327	6.4	2.5	12.2	38.1	40.9	2453	7.5
3c 35	353	7.8	2.5	13.6	41.3	44.2	3033	10.5
3c 50	379	9.2	2.5	15.0	44.5	47.4	3846	15.0
3c 70	409	10.8	2.5	16.6	48.1	51.1	4817	21.0
3c 95	447	12.8	2.5	18.6	52.8	55.9	5939	24.8
3c 120	479	14.5	2.5	20.3	56.6	59.9	6936	28.5
3c 150	512	16.3	2.5	22.1	60.7	64.0	8214	33.0
3c 185	543	18.0	2.5	23.8	64.5	67.9	9492	38.3
3c 240	590	20.3	2.6	26.3	70.3	73.7	11618	46.5
3c 300	639	22.5	2.8	28.9	76.3	79.9	14138	55.5

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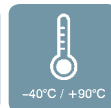
NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R _o 20°C ohm/km	X _o ohm/km		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.125	4.849	0.071	0.262	118	98	110	110	92	99	2.3	2.3
3c 25	1.002	0.116	3.126	0.063	0.306	150	123	140	140	115	127	3.6	3.6
3c 35	0.712	0.109	2.220	0.059	0.352	181	151	172	168	141	155	5.0	5.0
3c 50	0.496	0.104	1.547	0.054	0.397	214	176	207	199	164	187	7.2	7.2
3c 70	0.350	0.099	1.091	0.052	0.450	262	216	258	244	202	232	10.0	10.2
3c 95	0.265	0.094	1.024	0.048	0.515	315	261	315	293	243	284	13.6	10.2
3c 120	0.208	0.091	0.980	0.044	0.570	358	294	364	334	274	328	17.2	10.2
3c 150	0.167	0.088	0.948	0.042	0.628	403	339	416	376	316	375	21.5	10.2
3c 185	0.138	0.086	0.925	0.040	0.683	524	384	551	488	358	497	26.5	10.2
3c 240	0.105	0.084	0.900	0.037	0.731	532	447	567	491	417	511	34.3	10.2
3c 300	0.085	0.083	0.884	0.036	0.748	598	510	646	557	475	570	42.9	10.2

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N4

EPR

Flexible Rubber Single Core MV Termite Resistant Power 6.35/11kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: 1

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

6350/11000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.6	IEC 60502-2
AS/NZS 3808	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 16	176	5.1	3.4	12.7	19.6	22.0	639	1.6
1c 25	187	6.4	3.4	14.0	20.9	23.4	802	2.5
1c 35	207	7.8	3.4	15.4	23.4	25.9	1027	3.5
1c 50	219	9.2	3.4	16.8	24.8	27.3	1340	5.0
1c 70	239	10.8	3.4	18.4	27.3	29.9	1747	7.1
1c 95	257	12.8	3.4	20.4	29.5	32.1	2032	8.3
1c 120	264	14.5	3.4	22.1	30.3	32.9	2265	9.6
1c 150	280	16.3	3.4	23.9	32.3	35.0	2605	11.1
1c 185	294	18.0	3.4	25.6	34.0	36.7	2928	12.8
1c 240	314	20.3	3.4	27.9	36.5	39.3	3472	15.6
1c 300	334	22.5	3.4	30.1	38.9	41.7	4112	18.6
1c 400	364	26.0	3.4	33.6	42.6	45.5	4983	23.6
1c 500	392	29.2	3.4	36.8	46.0	49.0	5995	28.6
1c 630	424	32.8	3.4	40.4	50.0	53.0	7255	35.1

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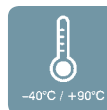
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀ ohm/km		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 16	1.543	0.139	2.420	0.086	0.210	123	104	118	115	97	106	2.3	2.3
1c 25	0.995	0.129	1.560	0.077	0.242	158	135	155	148	126	140	3.6	3.6
1c 35	0.707	0.124	1.108	0.073	0.277	191	163	193	178	153	174	5.0	5.0
1c 50	0.492	0.118	0.772	0.067	0.311	226	194	232	211	181	209	7.2	7.2
1c 70	0.347	0.114	0.545	0.064	0.349	276	238	291	257	222	262	10.0	10.2
1c 95	0.263	0.108	0.479	0.059	0.397	330	285	356	307	266	320	13.6	10.2
1c 120	0.206	0.102	0.434	0.053	0.438	373	322	406	347	300	365	17.2	10.2
1c 150	0.166	0.099	0.402	0.050	0.481	418	362	463	389	338	416	21.5	10.2
1c 185	0.137	0.096	0.380	0.047	0.522	484	408	529	450	381	475	26.5	10.2
1c 240	0.104	0.093	0.355	0.044	0.577	539	471	620	502	440	557	34.3	10.2
1c 300	0.084	0.090	0.339	0.042	0.629	632	531	707	588	495	635	42.9	10.2
1c 400	0.065	0.087	0.325	0.039	0.712	727	620	840	677	579	754	57.2	10.2
1c 500	0.053	0.084	0.316	0.037	0.789	761	672	934	709	627	839	71.5	10.2
1c 630	0.042	0.082	0.307	0.035	0.874	844	757	1060	786	707	952	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Termite Resistant Power

6.35/11kV 90°C



N4

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: 1 2 3

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

6350/11000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	336	5.1	3.4	12.7	39.2	42.0	2355	4.8
3c 25	361	6.4	3.4	14.0	42.2	45.1	2828	7.5
3c 35	387	7.8	3.4	15.4	45.4	48.3	3439	10.5
3c 50	413	9.2	3.4	16.8	48.6	51.6	4282	15.0
3c 70	442	10.8	3.4	18.4	52.2	55.3	5288	21.0
3c 95	481	12.8	3.4	20.4	56.9	60.1	6455	24.8
3c 120	512	14.5	3.4	22.1	60.7	64.1	7488	28.5
3c 150	547	16.3	3.4	23.9	65.0	68.3	8841	33.0
3c 185	579	18.0	3.4	25.6	68.8	72.3	10158	38.3
3c 240	622	20.3	3.4	27.9	74.2	77.7	12269	46.5
3c 300	662	22.5	3.4	30.1	79.1	82.7	14641	55.5

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

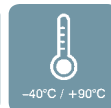
NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R ₁ 90°C ohm/km	X ₁ 50 Hz	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.133	4.849	0.071	0.210	118	99	111	110	92	100	2.3	2.3
3c 25	1.002	0.123	3.126	0.063	0.242	150	125	142	140	117	128	3.6	3.6
3c 35	0.712	0.116	2.220	0.059	0.277	181	151	174	168	140	157	5.0	5.0
3c 50	0.496	0.110	1.547	0.054	0.311	214	178	209	199	166	189	7.2	7.2
3c 70	0.350	0.105	1.091	0.052	0.349	262	220	260	244	205	234	10.0	10.2
3c 95	0.265	0.099	1.024	0.048	0.397	317	266	323	296	248	291	13.6	10.2
3c 120	0.208	0.096	0.979	0.044	0.438	358	303	366	333	282	330	17.2	10.2
3c 150	0.167	0.093	0.948	0.042	0.481	378	344	423	406	321	382	21.5	10.2
3c 185	0.138	0.090	0.925	0.040	0.522	452	386	476	421	360	429	26.5	10.2
3c 240	0.105	0.088	0.900	0.037	0.577	523	443	555	487	413	501	34.3	10.2
3c 300	0.085	0.086	0.884	0.036	0.629	593	501	631	552	467	569	42.9	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

N6

EPR

Flexible Rubber Single Core MV Termite Resistant Power 12.7/22kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: **1**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

12700/22000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.6	IEC 60502-2
AS/NZS 3808	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 35	242	7.8	5.5	19.6	27.6	30.3	1187	3.5
1c 50	255	9.2	5.5	21.0	29.2	31.9	1522	5.0
1c 70	277	10.8	5.5	22.6	31.9	34.7	1954	7.1
1c 95	294	12.8	5.5	24.6	33.9	36.7	2240	8.3
1c 120	302	14.5	5.5	26.3	34.9	37.7	2500	9.6
1c 150	317	16.3	5.5	28.1	36.7	39.6	2838	11.1
1c 185	332	18.0	5.5	29.8	38.6	41.5	3191	12.8
1c 240	353	20.3	5.5	32.1	41.1	44.1	3752	15.6
1c 300	372	22.5	5.5	34.3	43.5	46.5	4408	18.6
1c 400	402	26.0	5.5	37.8	47.2	50.3	5307	23.6
1c 500	430	29.2	5.5	41.0	50.6	53.8	6343	28.6
1c 630	461	32.8	5.5	44.6	54.4	57.6	7608	35.1

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

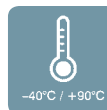
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R ₁ 90°C ohm/km	X ₁ 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀ ohm/km		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 35	0.707	0.162	1.108	0.082	0.196	190	163	194	177	152	175	5.0	5.0
1c 50	0.492	0.151	0.772	0.075	0.217	224	193	234	209	180	210	7.2	7.2
1c 70	0.347	0.144	0.545	0.070	0.242	274	237	292	255	221	263	10.0	10.2
1c 95	0.263	0.137	0.479	0.064	0.272	328	285	356	306	266	321	13.6	10.2
1c 120	0.206	0.132	0.434	0.059	0.297	371	318	407	345	297	367	17.2	10.2
1c 150	0.165	0.125	0.402	0.056	0.324	416	363	464	387	339	418	21.5	10.2
1c 185	0.136	0.119	0.380	0.053	0.350	468	409	529	436	382	476	26.5	10.2
1c 240	0.104	0.114	0.354	0.050	0.384	538	473	620	501	441	558	34.3	10.2
1c 300	0.084	0.111	0.339	0.047	0.417	602	531	706	560	496	635	42.9	10.2
1c 400	0.065	0.107	0.324	0.044	0.468	698	620	836	650	579	752	57.2	10.2
1c 500	0.053	0.104	0.315	0.041	0.516	762	680	933	709	635	839	71.5	10.2
1c 630	0.042	0.100	0.307	0.039	0.569	847	760	1060	789	710	953	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Termite Resistant Power

12.7/22kV 90°C



N6

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

12700/22000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125

AS/NZS 1429.1

AS/NZS 1660.5.1

AS/NZS 1660.5.6

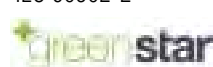
AS/NZS 3808

IEC 60228

IEC 60332-1

IEC 60332-3-22

IEC 60502-2



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 35	466	7.8	5.5	19.6	55.1	58.2	4558	10.5
3c 50	492	9.2	5.5	21.0	58.3	61.5	5473	15.0
3c 70	524	10.8	5.5	22.6	62.1	65.5	6595	21.0
3c 95	560	12.8	5.5	24.6	66.6	70.0	7834	24.8
3c 120	592	14.5	5.5	26.3	70.4	74.0	8954	28.5
3c 150	626	16.3	5.5	28.1	74.7	78.2	10403	33.0
3c 185	658	18.0	5.5	29.8	78.5	82.2	11807	38.3
3c 240	701	20.3	5.5	32.1	83.9	87.6	14038	46.5

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R ₁ 90°C ohm/km	X ₁ 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 35	0.712	0.129	2.220	0.059	0.1956	182	155	180	169	144	162	5.0	5.0
3c 50	0.496	0.122	1.547	0.054	0.2171	213	181	212	199	169	192	7.2	7.2
3c 70	0.350	0.116	1.090	0.052	0.2416	261	222	262	243	207	237	10.0	10.2
3c 95	0.265	0.110	1.024	0.048	0.2718	313	268	320	292	250	289	13.6	10.2
3c 120	0.208	0.106	0.979	0.044	0.2974	357	306	369	333	285	333	17.2	10.2
3c 150	0.167	0.102	0.947	0.042	0.3244	402	345	419	374	322	378	21.5	10.2
3c 185	0.138	0.099	0.925	0.040	0.3497	454	392	478	422	365	432	26.5	10.2
3c 240	0.105	0.096	0.899	0.037	0.3840	526	454	560	489	424	506	34.3	10.2

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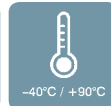
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1000	1280	1600	2000	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3072	3968	5120	6720	8704	11200	14080	17920	22784

N7

EPR

Flexible Rubber Single Core MV Termite Resistant Power 19/33kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

1C: 1

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

19000/33000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.6	IEC 60502-2
AS/NZS 3808	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
1c 35	286	7.8	8.0	24.6	33.1	35.8	1442	3.5
1c 50	299	9.2	8.0	26.0	34.7	37.4	1790	5.0
1c 70	322	10.8	8.0	27.6	37.4	40.2	2240	7.1
1c 95	338	12.8	8.0	29.6	39.4	42.2	2541	8.3
1c 120	344	14.5	8.0	31.3	40.2	43.0	2798	9.6
1c 150	361	16.3	8.0	33.1	42.2	45.1	3169	11.1
1c 185	376	18.0	8.0	34.8	44.1	47.0	3538	12.8
1c 240	397	20.3	8.0	37.1	46.6	49.6	4121	15.6
1c 300	415	22.5	8.0	39.3	48.8	51.8	4776	18.6
1c 400	447	26.0	8.0	42.8	52.7	55.9	5727	23.6
1c 500	475	29.2	8.0	46.0	56.1	59.4	6792	28.6
1c 630	506	32.8	8.0	49.6	59.9	63.2	8090	35.1

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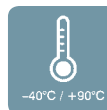
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀ ohm/km		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
1c 35	0.707	0.173	1.108	0.094	0.153	188	165	195	175	154	176	5.0	5.0
1c 50	0.492	0.162	0.772	0.087	0.169	223	195	234	207	183	211	7.2	7.2
1c 70	0.347	0.154	0.544	0.081	0.186	271	240	291	253	224	263	10.0	10.2
1c 95	0.263	0.147	0.479	0.075	0.207	325	287	355	303	268	320	13.6	10.2
1c 120	0.206	0.141	0.434	0.069	0.225	369	326	407	343	304	367	17.2	10.2
1c 150	0.165	0.134	0.402	0.065	0.244	414	366	463	385	342	417	21.5	10.2
1c 185	0.136	0.127	0.379	0.062	0.262	466	413	527	434	386	475	26.5	10.2
1c 240	0.104	0.122	0.354	0.058	0.285	554	478	618	516	446	557	34.3	10.2
1c 300	0.084	0.119	0.339	0.055	0.308	601	537	703	559	501	634	42.9	10.2
1c 400	0.065	0.115	0.324	0.051	0.344	679	611	813	633	570	732	57.2	10.2
1c 500	0.052	0.111	0.315	0.048	0.377	763	688	929	710	642	837	71.5	10.2
1c 630	0.041	0.107	0.306	0.045	0.414	850	776	1057	791	724	952	90.1	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

Flexible Rubber Multi-core

MV Termite Resistant Power

19/33kV 90°C



N7

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: 1 2 3

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Jacket E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Nylon Extruded nylon protective barrier

Sacrificial Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

19000/33000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 35	561	7.8	8.0	24.6	66.7	70.2	6191	10.5
3c 50	588	9.2	8.0	26.0	69.9	73.4	7194	15.0
3c 70	617	10.8	8.0	27.6	73.6	77.1	8379	21.0
3c 95	655	12.8	8.0	29.6	78.2	81.9	9780	24.8
3c 120	686	14.5	8.0	31.3	82.1	85.8	11004	28.5

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NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 35	0.712	0.142	2.216	0.0944	0.1533	181	157	181	168	146	164	5.0	5.0
3c 50	0.496	0.135	1.544	0.0872	0.1686	213	184	214	198	172	193	7.2	7.2
3c 70	0.350	0.128	1.088	0.0815	0.1859	260	226	265	242	210	239	10.0	10.2
3c 95	0.265	0.121	1.023	0.0748	0.2072	312	271	321	291	253	291	13.6	10.2
3c 120	0.207	0.116	0.978	0.0693	0.2251	356	309	370	331	289	334	17.2	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

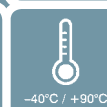
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1000	1280	1600	2000	2560	3200	4000	5000
CLASS 6	320	512	800	1120	1600	2240	3136	4000	5120	6720	8960	11520	14976	19200	24000

S2

EPR

Flexible Rubber Multi-core MV Steel Wire Armour Power 1.9/3.3kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Bedding E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Wire Armour Steel Wire Armour

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

1900/3300 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.6	IEC 60502-2
AS/NZS 3808	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	251	5.1	2.2	10.3	32.0	41.8	2228	4.8
3c 25	269	6.4	2.2	11.6	34.7	44.9	2727	7.5
3c 35	296	7.8	2.2	13.0	37.9	49.4	3420	10.5
3c 50	317	9.2	2.2	14.4	41.1	52.8	4328	15.0
3c 70	340	10.8	2.2	16.0	44.6	56.6	5384	21.0
3c 95	375	12.8	2.4	18.4	49.9	62.4	6690	24.8
3c 120	401	14.5	2.4	20.1	53.8	66.8	7798	28.5
3c 150	427	16.3	2.4	21.9	57.8	71.1	9169	33.0

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

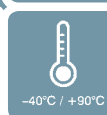
NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	TREFOIL IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN µF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R ₁ 90°C ohm/km	X ₁ 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND KA	EARTH 1 SECOND KA
3c 16	1.554	0.200	4.849	0.071	0.289	116	97	109	108	90	99	2.3	2.3
3c 25	1.002	0.185	3.126	0.063	0.338	149	125	142	139	117	129	3.6	3.6
3c 35	0.712	0.180	2.220	0.059	0.390	179	151	174	167	141	157	5.0	5.0
3c 50	0.496	0.171	1.547	0.055	0.442	209	176	204	194	164	184	7.2	7.2
3c 70	0.350	0.159	1.091	0.052	0.501	258	217	258	240	203	233	10.0	10.2
3c 95	0.265	0.153	1.024	0.048	0.533	306	259	309	285	241	279	13.6	10.2
3c 120	0.208	0.143	0.980	0.044	0.590	347	293	355	323	273	320	17.2	10.2
3c 150	0.167	0.135	0.948	0.042	0.651	390	329	404	363	307	364	21.5	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	848	1072	1344	1696	2152	2704	3456	4384	5488
CLASS 6	320	512	800	1120	1600	2240	3008	3840	4960	6336	8064	10112	12928	16384	20480

Flexible Rubber Multi-core MV Steel Wire Armour Power 3.8/6.6kV 90°C



S3

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: 1 2 3

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Bedding E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant.

Wire Armour Steel Wire Armour

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

3800/6600 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	261	5.1	2.5	10.9	33.3	43.6	2359	4.8
3c 25	288	6.4	2.5	12.2	36.2	48.0	2953	7.5
3c 35	308	7.8	2.5	13.6	39.2	51.3	3594	10.5
3c 50	329	9.2	2.5	15.0	42.4	54.8	4516	15.0
3c 70	353	10.8	2.5	16.6	46.1	58.8	5616	21.0
3c 95	381	12.8	2.5	18.6	50.3	63.4	6797	24.8
3c 120	406	14.5	2.5	20.3	54.2	67.6	7884	28.5
3c 150	431	16.3	2.5	22.1	58.2	71.9	9261	33.0

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

NUMBER OF CORES (c) X CROSS SECTION AREA (mm²)	IMPEDANCE				CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz ohm/km	R ₀ 20°C ohm/km	X ₀		BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.125	4.849	0.071	0.262	116	98	109	108	91	99	2.3	2.3
3c 25	1.002	0.116	3.126	0.063	0.306	147	124	140	137	116	127	3.6	3.6
3c 35	0.712	0.109	2.220	0.059	0.352	179	151	174	167	141	157	5.0	5.0
3c 50	0.496	0.104	1.547	0.054	0.397	209	176	205	194	164	185	7.2	7.2
3c 70	0.350	0.099	1.091	0.052	0.450	262	216	258	244	202	232	10.0	10.2
3c 95	0.265	0.094	1.024	0.048	0.515	305	259	307	284	241	277	13.6	10.2
3c 120	0.208	0.091	0.980	0.044	0.570	349	297	359	325	277	324	17.2	10.2
3c 150	0.167	0.088	0.948	0.042	0.628	387	328	400	361	306	362	21.5	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

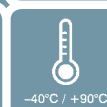
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1120	1440	1760	2240	2880	3840	4800	6000
CLASS 6	320	512	800	1120	1440	1760	2240	2880	3680	4608	5824	7392	9408	11904	15072

S4

EPR

Flexible Rubber Multi-core MV Steel Wire Armour Power 6.35/11kV 90°C



Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Bedding E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant.

Wire Armour Steel Wire Armour

Separator Polypropylene tape

Jacket Low Friction E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

6350/11000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1429.1	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.6	IEC 60502-2
AS/NZS 3808	



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 16	293	5.1	3.4	12.7	37.4	48.9	2828	4.8
3c 25	311	6.4	3.4	14.0	40.1	51.8	3359	7.5
3c 35	332	7.8	3.4	15.4	43.3	55.3	4059	10.5
3c 50	353	9.2	3.4	16.8	46.5	58.8	5014	15.0
3c 70	375	10.8	3.4	18.4	50.0	62.5	6121	21.0
3c 95	405	12.8	3.4	20.4	54.5	67.5	7384	24.8
3c 120	430	14.5	3.4	22.1	58.3	71.6	8511	28.5

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	TREFOIL IMPEDANCE					CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _t 90°C ohm/km	X _t 50 Hz ohm/km	R _o 20°C ohm/km	X _o			BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 16	1.554	0.133	4.849	0.071	0.210		116	98	111	108	91	100	2.3	2.3
3c 25	1.002	0.123	3.126	0.063	0.242		149	126	144	139	118	130	3.6	3.6
3c 35	0.712	0.116	2.220	0.059	0.277		177	150	172	164	140	156	5.0	5.0
3c 50	0.496	0.110	1.547	0.054	0.311		209	177	206	195	166	186	7.2	7.2
3c 70	0.350	0.105	1.091	0.052	0.349		255	217	255	237	202	230	10.0	10.2
3c 95	0.265	0.099	1.024	0.048	0.397		304	260	308	283	242	279	13.6	10.2
3c 120	0.208	0.096	0.979	0.044	0.438		345	296	353	321	276	319	17.2	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

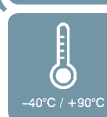
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	845	1120	1440	1880	2400	3000	3920	4960	6200
CLASS 6	320	512	800	1120	1600	2240	3008	3840	4800	6144	7744	9760	12608	15840	19840

Flexible Rubber Multi-core

MV Steel Wire Armour Power

12.7/22kV 90°C



\$6

EPR

Typical Applications

Power Cable for Mining, Industrial and Power Utility.



Standard Core Configuration

3C: **1** **2** **3**

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125

Conductor Screen Semi-Conductive Cross Linked Rubber

Insulation Ethylene Propylene Rubber (EPR)

Insulation Screen Semi-Conductive Cross Linked Rubber

Metallic Screen Plain annealed copper wire

Filler Non Hygroscopic PP filler

Separator Polypropylene tape

Bedding E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant.

Wire Armour Steel Wire Armour

Separator Polypropylene tape

Jacket Low Friction E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

12700/22000 Volts

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1429.1 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.6 IEC 60502-2
AS/NZS 3808



NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL INSULATION THICKNESS (mm)	NOMINAL INSULATION DIAMETER (mm)	NOMINAL BEDDING DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	MAXIMUM PULLING TENSION (kN)
3c 35	394	7.8	5.5	19.6	52.9	65.7	5368	10.5
3c 50	416	9.2	5.5	21.0	56.1	69.4	6438	15.0
3c 70	438	10.8	5.5	22.6	59.5	73.0	7636	21.0

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

NUMBER OF CORES (c) X CROSS SECTION AREA (mm ²)	IMPEDANCE					CAPACITANCE CONDUCTOR TO SCREEN μF/km	CURRENT RATING (Amps)						FAULT CURRENT RATING	
	R _i 90°C ohm/km	X _i 50 Hz	R ₀ 20°C ohm/km	X ₀			BURIED DIRECT 15°C	BURIED IN CONDUIT 15°C	IN FREE AIR 30°C	BURIED DIRECT 25°C	BURIED IN CONDUIT 25°C	IN FREE AIR 40°C	ACTIVE 1 SECOND kA	EARTH 1 SECOND kA
3c 35	0.712	0.129	2.220	0.059	0.196		178	153	168	165	143	160	5.0	5.0
3c 50	0.496	0.122	1.547	0.054	0.217		208	179	207	193	167	188	7.2	7.2
3c 70	0.350	0.116	1.090	0.052	0.242		254	219	256	236	204	232	10.0	10.2

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1120	1440	1760	2240	2800	3600	4480	5600
CLASS 6	320	512	800	1120	1440	1760	2240	2800	3520	4480	5600	7040	8960	11200	14080



TEMPORARY POWER/ Entertainment (Flexible Wiring)



- Low Bend Radius
- Super Flexible
- Best Practice PVC
- High Operating Temperatures
- Conforms to AS/NZS5000.1

Durable, Flexible and light weight. Perfect for indoor or outdoor use.



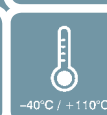
- Specially formulated Elastomeric Rubber Jacket Resists UV, Ozone, Oil, Grease, Common Solvents and Sea Water.
- Low temperature flexibility ensures ease of use.
- High continuous operating temperature for hazardous environments or safety margin.

EZ

X-HF-110

Flexible Rubber SDI

0.6/1KV 110°C



Typical Applications

Heavy Duty rubber power cable for Flexible Connection to equipment such as pumps, generators, lighting, industrial and agricultural machinery, stage and audio visual equipment, temporary mains for construction sites, ports and dams.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric.

Jacket Low Friction E-RUBBER[®] S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.1 IEC 60332-1
AS/NZS 1660.5.6 IEC 60332-3-22
AS/NZS 3008.1
AS/NZS 3808
AS/NZS 5000.1



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c 6	24	3.1	4.6	8.0	103	61	57
1c 10	28	4.1	5.6	9.2	153	86	80
1c 16	31	5.1	6.7	10.4	217	112	105
1c 25	38	6.4	8.4	12.6	326	149	139
1c 35	43	7.8	9.8	14.4	441	184	172
1c 50	49	9.2	11.5	16.5	617	232	217
1c 70	56	10.8	13.3	18.7	825	292	273
1c 95	64	12.8	15.3	21.4	1106	352	329
1c 120	71	14.5	17.3	23.7	1365	417	390
1c 150	80	16.3	19.5	26.6	1729	482	450
1c 185	87	18.0	21.7	28.9	2075	552	516
1c 240	95	20.3	24.2	31.7	2616	663	620
1c 300	103	22.5	27.2	34.4	3254	764	714
1c 400	116	26.0	30.7	38.8	4152	915	855
1c 500	129	29.2	34.4	42.8	5199	1059	990
1c 630	142	32.8	38.4	47.3	6478	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	768	960	1200	1500	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	8064	10080	12800	16000	20160

Tailor-made cables made easy!



Need a cable that is hard to find or taking too long to source?
We have a simple solution.

TriCab can custom build a cable that matches your exact requirements and deliver it within your time frame. In fact, we can probably even improve on your technical specifications and make the cable more user friendly.

Our complete manufacturing resource is at your disposal.

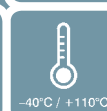
Just call us to arrange a visit from one of our technical sales specialists.



X-HF-110

Flexible Rubber Multi-core

0.6/1KV 110°C



Typical Applications

Heavy Duty rubber power cable for Flexible Connection to equipment such as pumps, generators, lighting, industrial and agricultural machinery, stage and audio visual equipment, temporary mains for construction sites, ports and dams.



Standard Core Configuration

2C:	Blue	Black
2C + E:	Blue	Black
3C + E:	Blue	Black
4C + E:	Blue	Black

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric.

Jacket Low Friction E-RUBBER[®] S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125
AS/NZS 1660.5.1
AS/NZS 1660.5.6
AS/NZS 3008.1
AS/NZS 3191
AS/NZS 3808
AS/NZS 5000.1

IEC 60228
IEC 60332-1
IEC 60332-3-22



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c	1.5	27	1.5	9.1	105	30	28
2c	2.5	32	2.1	10.7	152	41	38
2c	4	35	2.5	11.7	197	54	50
2c	6	39	3.1	13.2	261	67	63
2c	10	53	4.1	17.5	460	94	88
2c	16	61	5.1	19.9	633	124	116
2c	25	72	6.4	24.1	951	165	154
2c	35	82	7.8	27.4	1265	203	190

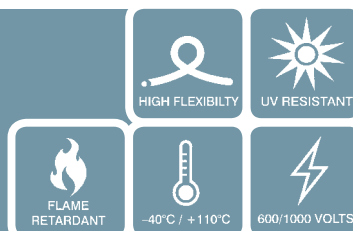
*AS/NZS 3008.1 Table 12 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, and 189 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

Flexible Rubber Multi-core

0.6/1KV 110°C



EZ

X-HF-110

	NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c	1.5 + 1.5E	29	1.5	9.8	126	30	28
2c	2.5 + 2.5E	34	2.1	11.3	177	41	38
2c	4 + 4E	37	2.5	12.3	236	54	50
2c	6 + 6E	42	3.1	14.0	323	67	63
2c	10 + 10E	56	4.1	18.6	564	94	88
2c	16 + 16E	63	5.1	21.1	787	124	116
2c	25 + 25E	77	6.4	25.6	1187	165	154
2c	35 + 35E	88	7.8	29.2	1588	203	190
2c	50 + 50E	100	9.2	33.3	2203	255	238
2c	70 + 70E	114	10.8	38.0	2944	320	299
2c	95 + 95E	129	12.8	43.0	3925	382	357
2c	120 + 120E	145	14.5	48.2	4857	450	421
2c	150 + 150E	162	16.3	54.0	6137	516	482
2c	185 + 185E	179	18.0	59.7	7451	585	547
2c	240 + 240E	199	20.3	66.3	9453	698	652
2c	300 + 300E	218	22.5	72.6	11788	797	745
3c	1.5 + 1.5E	32	1.5	10.7	153	26	24
3c	2.5 + 2.5E	37	2.1	12.4	216	34	32
3c	4 + 4E	41	2.5	13.8	297	45	42
3c	6 + 6E	47	3.1	15.7	406	58	54
3c	10 + 10E	61	4.1	20.4	699	80	75
3c	16 + 16E	69	5.1	23.1	980	106	99
3c	25 + 25E	85	6.4	28.2	1491	140	131
3c	35 + 35E	97	7.8	32.2	1996	173	162
3c	50 + 50E	110	9.2	36.8	2774	218	204
3c	70 + 70E	126	10.8	42.1	3727	273	255
3c	95 + 95E	144	12.8	48.0	4967	327	306
3c	120 + 120E	161	14.5	53.6	6164	385	360
3c	150 + 150E	180	16.3	60.1	7808	442	413
3c	185 + 185E	199	18.0	66.3	9463	503	470
3c	240 + 240E	221	20.3	73.7	12038	598	559
3c	300 + 300E	242	22.5	80.7	15015	683	638
4c	1.5 + 1.5E	35	1.5	11.8	192	26	24
4c	2.5 + 2.5E	42	2.1	13.9	275	34	32
4c	4 + 4E	46	2.5	15.2	367	45	42
4c	6 + 6E	52	3.1	17.4	502	58	54
4c	10 + 10E	67	4.1	22.3	852	80	75
4c	16 + 16E	77	5.1	25.6	1209	106	99
4c	25 + 25E	94	6.4	31.2	1832	140	131
4c	35 + 35E	107	7.8	35.8	2465	173	162
4c	50 + 50E	123	9.2	41.1	3440	218	204
4c	70 + 70E	141	10.8	47.0	4610	273	255
4c	95 + 95E	161	12.8	53.6	6157	327	306
4c	120 + 120E	180	14.5	60.0	7650	385	360
4c	150 + 150E	202	16.3	67.3	9667	442	413
4c	185 + 185E	223	18.0	74.3	11729	503	470
4c	240 + 240E	248	20.3	82.7	14931	598	559

*AS/NZS 3008.1 Table 12/15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, 183, 189 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	556	768	960	1200	1536	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	8064	10080	12800	16000	20160

EZ

X-HF-110

Flexible Rubber Control

0.6/1kV 110°C



Typical Applications

Heavy Duty Rubber Control cable for Flexible Connection to equipment such as pumps, generators, lighting, industrial and agricultural machinery, stage and audio visual equipment, and moving applications such as suspended from catenary wire.



Standard Core Configuration

1 2 3 etc. +

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® R-70 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, and individually numbered.

Separator Polypropylene tape

Jacket Low Friction E-RUBBER® S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.1 IEC 60332-1
AS/NZS 1660.5.6 IEC 60332-3-22
AS/NZS 3808
AS/NZS 5000.1



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)
6c 0.5	37	0.95	12.4	154
7c 0.5	37	0.95	12.4	162
10c 0.5	45	0.95	15.0	222
12c 0.5	46	0.95	15.5	243
14c 0.5	49	0.95	16.3	272
16c 0.5	52	0.95	17.2	303
19c 0.5	54	0.95	18.1	343
21c 0.5	57	0.95	18.9	369
24c 0.5	62	0.95	20.7	428
27c 0.5	64	0.95	21.2	457
30c 0.5	66	0.95	22.0	498
33c 0.5	69	0.95	22.9	541
37c 0.5	71	0.95	23.8	592
6c 0.75	39	1.2	13.2	181
7c 0.75	39	1.2	13.2	191
10c 0.75	49	1.2	16.2	271
12c 0.75	51	1.2	17.0	306
14c 0.75	53	1.2	17.6	335
16c 0.75	58	1.2	19.3	375
19c 0.75	59	1.2	19.6	425
21c 0.75	62	1.2	20.7	468
24c 0.75	68	1.2	22.6	541
27c 0.75	70	1.2	23.2	580
30c 0.75	72	1.2	24.0	632
33c 0.75	75	1.2	25.0	687
37c 0.75	78	1.2	26.0	753

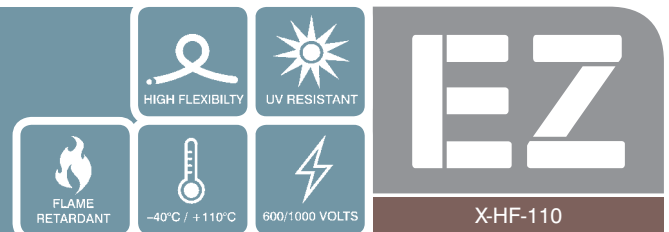
** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

Flexible Rubber Control

0.6/1kV 110°C



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)		MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)
6c	1.0	41	1.3	13.7	202
7c	1.0	41	1.3	13.7	215
10c	1.0	50	1.3	16.6	297
12c	1.0	52	1.3	17.4	336
14c	1.0	55	1.3	18.3	378
16c	1.0	58	1.3	19.3	422
19c	1.0	61	1.3	20.3	480
21c	1.0	64	1.3	21.4	528
24c	1.0	70	1.3	23.3	600
27c	1.0	72	1.3	24.0	656
30c	1.0	75	1.3	24.9	715
33c	1.0	77	1.3	25.7	766
37c	1.0	80	1.3	26.7	841
6c	1.5	44	1.5	14.8	251
7c	1.5	44	1.5	14.8	268
8c	1.5	48	1.5	16.1	306
9c	1.5	55	1.5	18.3	362
10c	1.5	55	1.5	18.3	380
11c	1.5	57	1.5	18.9	406
12c	1.5	57	1.5	18.9	423
13c	1.5	59	1.5	19.8	460
14c	1.5	59	1.5	19.8	478
16c	1.5	63	1.5	20.9	535
19c	1.5	66	1.5	22.0	611
21c	1.5	70	1.5	23.3	672
24c	1.5	76	1.5	25.5	775
27c	1.5	79	1.5	26.3	849
30c	1.5	82	1.5	27.3	927
33c	1.5	85	1.5	28.4	1008
37c	1.5	88	1.5	29.5	1108
6c	2.5	51	2.1	17.0	347
7c	2.5	51	2.1	17.0	375
10c	2.5	63	2.1	21.1	530
12c	2.5	66	2.1	22.0	606
14c	2.5	69	2.1	23.1	685
16c	2.5	73	2.1	24.4	767
19c	2.5	77	2.1	25.7	879
21c	2.5	82	2.1	27.4	978
24c	2.5	90	2.1	30.0	1125
27c	2.5	93	2.1	30.9	1234
30c	2.5	96	2.1	32.0	1348
33c	2.5	100	2.1	33.3	1467
37c	2.5	104	2.1	34.6	1614

. ** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020



FIRE RESISTANT



- Low Friction Jacket
- Low Bend Radius
- Super Flexible
- Low Smoke
Zero Halogen
- Fire Resistant for
at least 2 hours
- Flame Retardant
- High Operating
Temperatures

A High Performance fire resistant cable for peace of mind



- LSZH, non-toxic, non-poisonous, non-hazardous and fully compliant with ROHS and REACH directives.
- High continuous operating temperature for hazardous environments or safety margin.
- Low Friction Jacket combined with extremely low bend radius streamlines installation and reduces man hours.
- 110°C temperature rating allows down sizing with all the flow on benefits.

FR

X-HF-110/HFS-110-TP

Flexible LSZH Fire Resistant SDI 0.6/1KV 125°C



Typical Applications

Flexible Fire Rated power cable for applications where circuit integrity during fire conditions is crucial. Used for essential services, high security areas, data centres, road & rail tunnels, protection of capital equipment. Suitable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder and in conduit.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Flame barrier Fire resistant, halogen free, glass mica tape

Insulation LSFLEX® X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581.

Jacket Low Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Low Smoke Zero Halogen Thermoplastic. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

Red or to customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60331
AS/NZS 1660.5.2	IEC 60332-1
AS/NZS 1660.5.4	IEC 60332-3-22
AS/NZS 1660.5.5	IEC 60754-2
AS/NZS 1660.5.6	IEC 61034-1&2
AS/NZS 3008.1	BS 6387 (C,W, Z)
AS/NZS 3013	BS EN 50267
AS/NZS 3808	BS EN 61034
AS/NZS 5000.1	



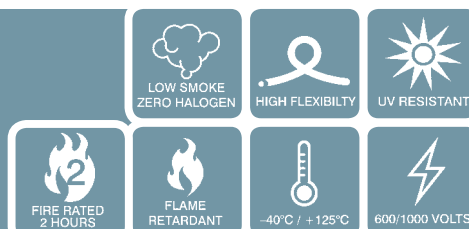
NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CLASSIFICATION to AS/NZS 3013 (WS RATING)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c 6	66	3.1	5.4	8.3	115	WS52W	61	57
1c 10	74	4.1	6.4	9.3	163	WS52W	86	80
1c 16	83	5.1	7.5	10.4	225	WS52W	112	105
1c 25	96	6.4	9.1	12.0	325	WS52W	149	139
1c 35	108	7.8	10.6	13.5	429	WS52W	184	172
1c 50	121	9.2	12.2	15.1	589	WS52W	232	217
1c 70	137	10.8	14.0	17.1	787	WS52W	292	273
1c 95	155	12.8	16.1	19.4	1046	WS52W	352	329
1c 120	171	14.5	18.0	21.3	1281	WS52W	417	390
1c 150	190	16.3	20.3	23.8	1614	WS52W	482	450
1c 185	209	18.0	22.4	26.1	1950	WS52W	552	516
1c 240	231	20.3	25.0	29.0	2479	WS52W	663	620
1c 300	257	22.5	27.9	31.4	3093	WS52W	764	714
1c 400	286	26.0	31.4	35.8	3970	WS52W	915	855
1c 500	317	29.2	35.1	39.7	4981	WS52W	1059	990
1c 630	352	32.8	39.2	44.0	6219	WS52W	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	785	1014	1265	1544	1955	2400	3088	3824	4736
CLASS 6	320	512	800	1120	1600	2240	3072	3944	4960	6176	7744	9600	12288	15360	19200

Flexible LSZH Fire Resistant Control 0.6/1KV 125°C



FR

X-HF-110/HFS-110-TP

Typical Applications

Flexible Fire Resistant control cable suitable for applications where circuit integrity during fire conditions is essential. Designed for applications that require 110°C Low Smoke Zero Halogen.



Standard Core Configuration

1 2 3 etc. +

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Flame barrier Fire resistant, halogen free, glass mica tape

Insulation LSFLEX® X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen and individually numbered.

Separator Polypropylene tape

Jacket Low Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Low Smoke Zero Halogen, Thermoplastic. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

Red or to customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.1 IEC 60331
AS/NZS 1660.5.2 IEC 60332-1
AS/NZS 1660.5.4 IEC 60332-3-22
AS/NZS 1660.5.5 IEC 60754-2
AS/NZS 1660.5.6 IEC 61034-1&2
AS/NZS 3013 BS 6387 (C,W,Z)
AS/NZS 3808 BS EN 50267
AS/NZS 5000.1 BS EN 61034



	NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CLASSIFICATION to AS/NZS 3013 (WS RATING)
6c	1.5 + 1.5E	118	1.5	14.8	254	WS52W
9c	1.5 + 1.5E	146	1.5	18.3	384	WS52W
11c	1.5 + 1.5E	152	1.5	19.0	415	WS52W
18c	1.5 + 1.5E	177	1.5	22.1	642	WS52W
23c	1.5 + 1.5E	205	1.5	25.6	797	WS52W
26c	1.5 + 1.5E	211	1.5	26.4	878	WS52W
32c	1.5 + 1.5E	227	1.5	28.4	1046	WS52W
36c	1.5 + 1.5E	237	1.5	29.7	1169	WS52W
6c	2.5 + 2.5E	134	2.1	16.7	343	WS52W
9c	2.5 + 2.5E	167	2.1	20.9	525	WS52W
11c	2.5 + 2.5E	174	2.1	21.7	607	WS52W
18c	2.5 + 2.5E	193	2.1	24.2	776	WS52W
23c	2.5 + 2.5E	238	2.1	29.8	1132	WS52W
26c	2.5 + 2.5E	246	2.1	30.7	1253	WS52W
32c	2.5 + 2.5E	266	2.1	33.3	1512	WS52W
36c	2.5 + 2.5E	276	2.1	34.6	1674	WS52W

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

FR

X-HF-110/HFS-110-TP

Flexible LSZH Fire Resistant

Multi-core

0.6/1KV 125°C



Typical Applications

Flexible Fire Rated power cable for applications where circuit integrity during fire conditions is crucial. Used for essential services, high security areas, data centres, road & rail tunnels, protection of capital equipment. Suitable for indoor/outdoor fixed wiring applications including mains, sub-mains and final sub circuits on tray, ladder and in conduit.



Standard Core Configuration

2C:		
2C + E:		
3C + E:		
4C + E:		

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Flame barrier Fire resistant, halogen free, glass mica tape

Insulation LSFLEX® X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Separator Polypropylene tape

Jacket Low Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Low Smoke Zero Halogen, Thermoplastic. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60331
AS/NZS 1660.5.2	IEC 60332-1
AS/NZS 1660.5.4	IEC 60332-3-22
AS/NZS 1660.5.5	IEC 60754-2
AS/NZS 1660.5.6	IEC 61034-1&2
AS/NZS 3008.1	
AS/NZS 3013	
AS/NZS 3808	
AS/NZS 5000.1	



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CLASSIFICATION to AS/NZS 3013 (WS RATING)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5 - -	89	1.5	11.1	153	WS52W	30	28
2c 2.5 - -	99	2.1	12.4	200	WS52W	41	38
2c 4 - -	106	2.5	13.3	244	WS52W	54	50
2c 1.5 + 1.5E	93	1.5	11.7	177	WS52W	30	28
2c 2.5 + 2.5E	105	2.1	13.1	234	WS52W	41	38
2c 4 + 4E	112	2.5	14.0	292	WS52W	54	50
2c 6 + 6E	122	3.1	15.3	374	WS52W	67	63
2c 10 + 4E	134	4.1	16.7	463	WS52W	94	88
2c 16 + 6E	152	5.1	19.0	635	WS52W	124	116
2c 25 + 6E	178	6.4	22.3	884	WS52W	165	154
2c 35 + 10E	202	7.8	25.2	1183	WS52W	203	190
2c 50 + 16E	230	9.2	28.7	1637	WS52W	255	238
2c 70 + 25E	261	10.8	32.7	2205	WS52W	320	299
2c 95 + 25E	296	12.8	37.0	2831	WS52W	382	357
2c 120 + 35E	331	14.5	41.4	3545	WS52W	450	421
2c 150 + 50E	369	16.3	46.1	4509	WS52W	516	482
2c 185 + 70E	407	18.0	50.9	5540	WS52W	585	547
2c 240 + 95E	450	20.3	56.3	7045	WS52W	698	652

*AS/NZS 3008.1 Table 12 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181 and 189 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

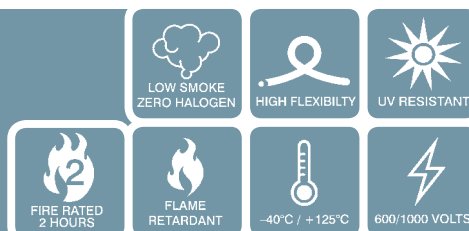
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

Flexible LSZH Fire Resistant

Multi-core

0.6/1KV 125°C



FR

X-HF-110/HFS-110-TP

	NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CLASSIFICATION to AS/NZS 3013 (WS RATING)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
3c	1.5 - -	93	1.5	11.7	176	WS52W	26	24
3c	1.5 + 1.5E	101	1.5	12.6	208	WS52W	26	24
3c	2.5 + 2.5E	113	2.1	14.2	277	WS52W	34	32
3c	4 + 4E	121	2.5	15.1	352	WS52W	45	42
3c	6 + 6E	126	3.1	15.8	426	WS52W	58	54
3c	10 + 4E	143	4.1	17.9	581	WS52W	80	75
3c	16 + 6E	163	5.1	20.3	809	WS52W	106	99
3c	25 + 6E	192	6.4	23.9	1146	WS52W	140	131
3c	35 + 10E	217	7.8	27.1	1538	WS52W	173	162
3c	50 + 16E	247	9.2	30.9	2142	WS52W	218	204
3c	70 + 25E	283	10.8	35.4	2904	WS52W	273	255
3c	95 + 25E	321	12.8	40.1	3766	WS52W	327	306
3c	120 + 35E	359	14.5	44.8	4702	WS52W	385	360
3c	150 + 50E	400	16.3	50.0	5972	WS52W	442	413
3c	185 + 70E	441	18.0	55.2	7309	WS52W	503	470
3c	240 + 95E	490	20.3	61.2	9337	WS52W	598	559
3c	300 + 120E	536	22.5	67.0	11645	WS52W	683	638
4c	1.5 - -	101	1.5	12.6	208	WS52W	26	24
4c	1.5 + 1.5E	109	1.5	13.7	260	WS52W	26	24
4c	2.5 + 2.5E	124	2.1	15.5	347	WS52W	34	32
4c	4 + 4E	133	2.5	16.6	440	WS52W	45	42
4c	6 + 6E	146	3.1	18.2	568	WS52W	58	54
4c	10 + 4E	158	4.1	19.7	742	WS52W	80	75
4c	16 + 6E	180	5.1	22.5	1033	WS52W	106	99
4c	25 + 6E	213	6.4	26.6	1474	WS52W	140	131
4c	35 + 10E	243	7.8	30.4	1988	WS52W	173	162
4c	50 + 16E	277	9.2	34.7	2762	WS52W	218	204
4c	70 + 25E	317	10.8	39.7	3727	WS52W	273	255
4c	95 + 25E	362	12.8	45.2	4876	WS52W	327	306
4c	120 + 35E	402	14.5	50.2	6042	WS52W	385	360
4c	150 + 50E	450	16.3	56.3	7680	WS52W	442	413
4c	185 + 70E	497	18.0	62.1	9366	WS52W	503	470
4c	240 + 95E	554	20.3	69.3	11941	WS52W	598	559

*AS/NZS 3008.1 Table 15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 183 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

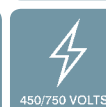
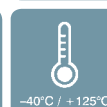
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

WH

X-HF-110/HFS-110-TP

Flexible LSZH Fire Resistant Collective Screened Instrumentation 450/750V 125°C



Typical Applications

Screened Fire Rated data & voice transmission cable for use in electrically noisy environments and where continuity of high frequency signals is critical in the event of a fire. Used for emergency services, fire alarm and EWIS systems to assure 2 hour operation while under attack by fire.



Standard Core Configuration



Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Flame barrier Fire resistant, halogen free, glass mica tape

Insulation LSFLEX® X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Separator Polypropylene tape

Drain wire Tinned annealed copper

Screen Aluminium/Laminate tape

Jacket Low Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

450/750 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60331
AS/NZS 1660.5.2	IEC 60332-1
AS/NZS 1660.5.4	IEC 60332-3-22
AS/NZS 1660.5.5	IEC 60754-2
AS/NZS 1660.5.6	IEC 61034-1&2
AS/NZS 3008.1	BS 6387 (C.W, Z)
AS/NZS 3013	BS EN 50267
AS/NZS 3808	BS EN 61034
AS/NZS 5000.3	



NUMBER OF PAIRS (p) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CLASSIFICATION to AS/NZS 3013 (WS RATING)
1p 0.75	77	1.2	9.6	109	WS51W
2p 0.75*	88	1.2	11.0	141	WS51W
4p 0.75	131	1.2	16.4	227	WS51W
8p 0.75	169	1.2	21.1	386	WS51W
1p 1.0	87	1.3	10.7	141	WS51W
2p 1.0*	98	1.3	11.9	181	WS51W
4p 1.0	151	1.3	18.4	297	WS51W
8p 1.0	194	1.3	23.7	524	WS51W
1p 1.5	90	1.5	11.2	160	WS51W
2p 1.5*	100	1.5	12.6	212	WS51W
4p 1.5	158	1.5	19.7	361	WS51W
8p 1.5	201	1.5	25.1	630	WS51W

*Laid up in quad formation. ** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

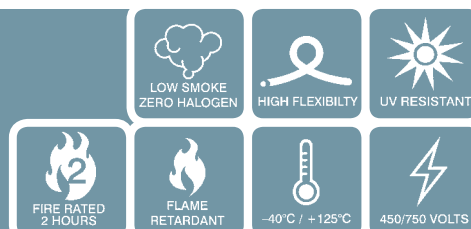
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

Flexible LSZH Fire Resistant

Alarm/Signal

450/750V 125°C



WVG

X-HF-110/HFS-110-TP

Typical Applications

Flexible Fire Rated alarm/signal cable for applications where continuity is critical in the event of a fire. Used for emergency services, fire alarm and EWIS systems to assure 2 hour operation while under attack by fire.



Standard Core Configuration



Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Flame barrier Fire resistant, halogen free, glass mica tape

Insulation LSFLEX[®] X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Jacket Low Friction LSFLEX[®] T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

450/750 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
 AS/NZS 1660.5.1 IEC 60331
 AS/NZS 1660.5.2 IEC 60332-1
 AS/NZS 1660.5.4 IEC 60332-3-22
 AS/NZS 1660.5.5 IEC 60754-2
 AS/NZS 1660.5.6 IEC 61034-1&2
 AS/NZS 3008.1
 AS/NZS 3013
 AS/NZS 3808
 AS/NZS 5000.3

BS 6387 (C,W, Z)
 BS EN 50267
 BS EN 61034



NUMBER OF PAIRS (p) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CALCIFICATION to AS/NZS 3010 (WS RATING)
2c 0.75	74	1.2	9.2	100	WS52W
2c 1.0	75	1.3	9.4	107	WS52W
2c 1.50	81	1.5	10.1	130	WS52W
3c 0.75	78	1.2	9.7	114	WS52W
3c 1.0	81	1.3	10.1	129	WS52W
3c 1.50	85	1.5	10.6	157	WS52W
4c 0.75	86	1.2	10.7	140	WS52W
4c 1.0	87	1.3	10.9	152	WS52W
4c 1.50	92	1.5	11.5	195	WS52W
5c 0.75	93	1.2	11.6	179	WS52W
5c 1.0	95	1.3	11.9	193	WS52W
5c 1.50	101	1.5	12.6	258	WS52W
10c 0.75	119	1.2	14.9	228	WS52W
10c 1.50	141	1.5	17.6	376	WS52W
21c 0.75	157	1.2	19.6	430	WS52W
21c 1.50	176	1.5	22.0	712	WS52W

** There is a +/-2% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

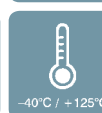
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020



X-HF-110/HFS-110-TP

Flexible LSZH Fire Resistant Braided VSD/VFD 0.6/1KV 125°C



Typical Applications

Flexible fire resistant VSD/VFD cable suitable for Variable Speed Drives, Variable Frequency Drives and Electric Motor applications. Used for emergency services, road & rail tunnels, evacuation fans, electrically noisy applications and fire alarm systems to assure 2 hour operation while under attack by fire.



Standard Core Configuration



Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Flame barrier Fire resistant, halogen free, glass mica tape

Insulation LSFLEX® R-30 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Separator Polypropylene tape

Braid Tinned Copper Wire braid (90%) or Galvanized Steel Wire braid (90%)

Separator Polypropylene tape

Jacket Low Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Low Smoke Zero Halogen Thermoplastic. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

Red or to customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60331
AS/NZS 1660.5.2	IEC 60332-1
AS/NZS 1660.5.4	IEC 60332-3-22
AS/NZS 1660.5.5	IEC 60754-2
AS/NZS 1660.5.6	IEC 61034-1&2
AS/NZS 3008.1	
AS/NZS 3013	
AS/NZS 3808	
AS/NZS 5000.1	



NUMBER OF PAIRS (p) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL DIAMETER OVER BRAID (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CALCIFICATION to AS/NZS 3010 (WS RATING)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
3c 1.5+ 1.5E	142	1.5	9.9	14.2	293	WS52W	26	24
3c 2.5+ 2.5E	158	2.1	11.4	15.8	372	WS52W	34	32
3c 4+ 4E	167	2.5	12.4	16.7	452	WS52W	45	42
3c 6+ 6E	183	3.1	13.8	18.3	564	WS52W	58	54
3c 10+ 3c 1.5E	198	4.1	15.3	19.8	681	WS52W	80	75
3c 16+ 3c 2.5E	214	5.1	16.9	21.4	908	WS52W	106	99
3c 25+ 3c 4E	249	6.4	20.3	24.9	1278	WS52W	140	131
3c 35+ 3c 6E	277	7.8	23.2	27.7	1672	WS52W	173	162
3c 50+ 3c 10E	313	9.2	26.4	31.3	2321	WS52W	218	204
3c 70+ 3c 10E	356	10.8	30.3	35.6	2954	WS52W	273	255
3c 95+ 3c 16E	401	12.8	34.1	40.1	3926	WS52W	327	306
3c 120+ 3c 16E	447	14.5	38.1	44.7	4705	WS52W	385	360
3c 150+ 3c 25E	496	16.3	42.7	49.6	6012	WS52W	442	413
3c 185+ 3c 25E	546	18.0	47.2	54.6	7076	WS52W	503	470
3c 240+ 3c 35E	604	20.3	52.5	60.4	9021	WS52W	598	559
3c 300+ 3c 50E	657	22.5	57.5	65.7	11407	WS52W	683	638
3c 400+ 3c 50E	748	26.0	65.8	74.8	14139	WS52W	809	756

*AS/NZS 3008.1 Table 15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 183 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020



How to simplify Project Management

Our approach to Project Management is straightforward and down to earth.

- We select one of our coordinators to manage and take responsibility for ALL aspects of the project, from start to finish. This ensures accountability and one easy point of contact throughout the project.
- Our project coordinator visits the site and meets all relevant team members. This ensures that we know all the particular site requirements. It also puts faces to the names and fosters effective personal communication during the project.
- From the first delivery to the last, our coordinators constantly monitor key dates, liaise with our manufacturing/warehousing teams, and work closely with our transport providers. They also quickly respond to any changes in project requirements, such as variations in lengths, sizes, schedules etc.
- In summary, we do “whatever it takes” to ensure smooth running in terms of cable supply.



TERMITE RESISTANT

Nylon Extruded

Two layers of protection against Termites and Rodents*.



- Low Friction Jacket
- Reduced OD
- Lowest Bend Radius
- Super Flexible
- LSZH or Best Practice PVC
- 90°C or 125°C Operating Temperature
- Conforms to AS/NZS5000.1
- A significant reduction in cable diameter equates to smaller conduit and cable tray.
- Improved flexibility and Bending Radius dramatically cuts installation time, manpower and space requirements.
- A specially formulated jacket repels insects, termites and rodents. Extruded nylon over the insulation, provides a tough secondary barrier.
- LSZH, (non-toxic, non-poisonous, non-hazardous and fully compliant with ROHS and REACH directives) or Best Practice PVC.

CN

X-HF-110/HFS-110-TP

Flexible LSZH Nylon Extruded

Termite Resistant SDI

0.6/1kV 125°C



Typical Applications

Flexible nylon power and control cable suitable for use in Mains, Sub-Mains and Final Sub Circuits in termite prone areas as the jacket causes aversion, discomfort and repellence towards rodents, animals, birds, termites and insects. Designed for applications that require 125°C Low Smoke Zero Halogen for fixed wiring.



Standard Core Configuration

1C:	
2C+E:	
3C+E:	
4C+E:	

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581.

Jacket LSFLEX[®] T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance.

Nylon Extruded nylon protective barrier

Sacrificial Overjacket Low Friction LSFLEX[®] R-20 (HFS-110-TP) Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60332-1
AS/NZS 1660.5.1	IEC 60332-3-22
AS/NZS 1660.5.2	IEC 60754-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 1660.5.6	
AS/NZS 3008.1	
AS/NZS 3808	
AS/NZS 5000.1	



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c 6	92	3.1	4.6	11.5	164	61	57
1c 10	100	4.1	5.6	12.5	217	86	80
1c 16	108	5.1	6.6	13.5	283	112	105
1c 25	122	6.4	8.2	15.2	394	149	139
1c 35	133	7.8	9.6	16.6	505	184	172
1c 50	145	9.2	11.3	18.1	667	232	217
1c 70	160	10.8	13.0	20.0	864	292	273
1c 95	177	12.8	15.0	22.2	1130	352	329
1c 120	192	14.5	17.0	24.1	1371	417	390
1c 150	212	16.3	19.2	26.5	1686	482	450
1c 185	230	18.0	21.3	28.8	2051	552	516
1c 240	252	20.3	23.8	31.5	2585	663	620
1c 300	277	22.5	26.2	34.6	3158	764	714
1c 400	306	26.0	30.1	38.2	4089	915	855
1c 500	336	29.2	33.7	42.0	5105	1059	990
1c 630	370	32.8	37.7	46.2	6348	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

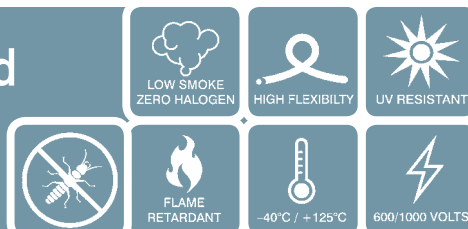
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

Flexible LSZH Nylon Extruded

Termite Resistant Multi-core

0.6/1kV 125°C



	NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c	1.5 + 1.5E	114	1.5	14.2	213	30	28
2c	2.5 + 2.5E	124	2.1	15.5	266	41	38
2c	4 + 4E	131	2.5	16.4	323	54	50
2c	6 + 6E	141	3.1	17.7	403	67	63
2c	10 + 4E	153	4.1	19.2	486	94	88
2c	16 + 6E	169	5.1	21.2	646	124	116
2c	25 + 6E	197	6.4	24.6	864	165	154
2c	35 + 10E	220	7.8	27.5	1135	203	190
2c	50 + 16E	246	9.2	30.7	1541	255	238
3c	1.5 + 1.5E	120	1.5	15.0	240	26	24
3c	2.5 + 2.5E	131	2.1	16.4	305	34	32
3c	4 + 4E	139	2.5	17.4	377	45	42
3c	6 + 6E	150	3.1	18.8	478	58	54
3c	10 + 4E	161	4.1	20.2	607	80	75
3c	16 + 6E	179	5.1	22.4	821	106	99
3c	25 + 6E	209	6.4	26.1	1153	140	131
3c	35 + 10E	234	7.8	29.2	1530	173	162
3c	50 + 16E	264	9.2	33.0	2110	218	204
3c	70 + 25E	297	10.8	37.2	2808	273	255
3c	95 + 25E	336	12.8	42.0	3635	327	306
3c	120 + 35E	371	14.5	46.4	4493	385	360
3c	150 + 50E	413	16.3	51.7	5706	442	413
3c	185 + 70E	454	18.0	56.7	6953	503	470
3c	240 + 95E	500	20.3	62.5	8846	598	559
4c	1.5 + 1.5E	127	1.5	15.8	272	26	24
4c	2.5 + 2.5E	140	2.1	17.5	350	34	32
4c	4 + 4E	148	2.5	18.5	438	45	42
4c	6 + 6E	161	3.1	20.2	560	58	54
4c	10 + 4E	174	4.1	21.8	740	80	75
4c	16 + 6E	194	5.1	24.3	1014	106	99
4c	25 + 6E	228	6.4	28.5	1431	140	131
4c	35 + 10E	258	7.8	32.2	1917	173	162
4c	50 + 16E	291	9.2	36.4	2656	218	204
4c	70 + 25E	329	10.8	41.1	3535	273	255
4c	95 + 25E	372	12.8	46.5	4609	327	306
4c	120 + 35E	414	14.5	51.7	5712	385	360
4c	150 + 50E	461	16.3	57.6	7246	442	413
4c	185 + 70E	506	18.0	63.3	8815	503	470
4c	240 + 95E	563	20.3	70.4	10597	598	559
6c	1.5 + 1.5E	132	1.5	16.5	313	-	-
11c	1.5 + 1.5E	159	1.5	19.9	457	-	-
18c	1.5 + 1.5E	179	1.5	22.4	628	-	-
23c	1.5 + 1.5E	202	1.5	25.2	764	-	-
26c	1.5 + 1.5E	206	1.5	25.8	831	-	-
32c	1.5 + 1.5E	219	1.5	27.4	969	-	-
36c	1.5 + 1.5E	226	1.5	28.3	1059	-	-
6c	2.5 + 2.5E	147	2.1	18.3	410	-	-
11c	2.5 + 2.5E	179	2.1	22.4	617	-	-
18c	2.5 + 2.5E	203	2.1	25.4	867	-	-
23c	2.5 + 2.5E	230	2.1	28.8	1064	-	-
26c	2.5 + 2.5E	236	2.1	29.5	1163	-	-
32c	2.5 + 2.5E	251	2.1	31.4	1368	-	-
36c	2.5 + 2.5E	261	2.1	32.7	1512	-	-

*AS/NZS 3008.1 Table 12/15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, 183, 189 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

KN

X-HF-110

Flexible Nylon Extruded

Termite Resistant SDI

0.6/1kV 110°C



Typical Applications

Flexible nylon power and control cable suitable for use in Mains, Sub-Mains and Final Sub Circuits in termite prone areas the jacket causes aversion, discomfort and repellence towards rodents, animals, birds, termites and insects.



Standard Core Configuration

1C:	
2C+E:	
3C:+E:	
4C:+E:	

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® R-70 (X-HF-110), Cross-Linked, Polyethylene

Jacket E-RUBBER® S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance.

Nylon Extruded nylon protective barrier

Sacrificial Overjacket Low Friction E-RUBBER® S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 3008.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 5000.1	
AS/NZS 1660.5.1	
AS/NZS 1660.5.6	



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	92	3.1	4.6	11.5	164	61	57
1c	10	100	4.1	5.6	12.5	217	86	80
1c	16	108	5.1	6.6	13.5	283	112	105
1c	25	122	6.4	8.2	15.2	394	149	139
1c	35	133	7.8	9.6	16.6	505	184	172
1c	50	145	9.2	11.3	18.1	667	232	217
1c	70	160	10.8	13.0	20.0	864	292	273
1c	95	177	12.8	15.0	22.2	1130	352	329
1c	120	192	14.5	17.0	24.1	1371	417	390
1c	150	212	16.3	19.2	26.5	1686	482	450
1c	185	230	18.0	21.3	28.8	2051	552	516
1c	240	252	20.3	23.8	31.5	2585	663	620
1c	300	277	22.5	26.2	34.6	3158	764	714
1c	400	306	26.0	30.1	38.2	4089	915	855
1c	500	336	29.2	33.7	42.0	5105	1059	990
1c	630	370	32.8	37.7	46.2	6348	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

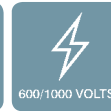
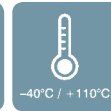
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	768	960	1200	1500	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	8064	10176	12992	16384	20480

Flexible Nylon Extruded

Termite Resistant Multi-core

0.6/1kV 110°C



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5 + 1.5E	114	1.5	14.2	213	30	28
2c 2.5 + 2.5E	124	2.1	15.5	266	41	38
2c 4 + 4E	131	2.5	16.4	323	54	50
2c 6 + 6E	141	3.1	17.7	403	67	63
2c 10 + 4E	153	4.1	19.2	486	94	88
2c 16 + 6E	169	5.1	21.2	646	124	116
2c 25 + 6E	197	6.4	24.6	864	165	154
2c 35 + 10E	220	7.8	27.5	1135	203	190
2c 50 + 16E	246	9.2	30.7	1541	255	238
3c 1.5 + 1.5E	120	1.5	15.0	240	26	24
3c 2.5 + 2.5E	131	2.1	16.4	305	34	32
3c 4 + 4E	139	2.5	17.4	377	45	42
3c 6 + 6E	150	3.1	18.8	478	58	54
3c 10 + 4E	161	4.1	20.2	607	80	75
3c 16 + 6E	179	5.1	22.4	821	106	99
3c 25 + 6E	209	6.4	26.1	1153	140	131
3c 35 + 10E	234	7.8	29.2	1530	173	162
3c 50 + 16E	264	9.2	33.0	2110	218	204
3c 70 + 25E	297	10.8	37.2	2808	273	255
3c 95 + 25E	336	12.8	42.0	3635	327	306
3c 120 + 35E	371	14.5	46.4	4493	385	360
3c 150 + 50E	413	16.3	51.7	5706	442	413
3c 185 + 70E	454	18.0	56.7	6953	503	470
3c 240 + 95E	500	20.3	62.5	8846	598	559
4c 1.5 + 1.5E	127	1.5	15.8	272	26	24
4c 2.5 + 2.5E	140	2.1	17.5	350	34	32
4c 4 + 4E	148	2.5	18.5	438	45	42
4c 6 + 6E	161	3.1	20.2	560	58	54
4c 10 + 4E	174	4.1	21.8	740	80	75
4c 16 + 6E	194	5.1	24.3	1014	106	99
4c 25 + 6E	228	6.4	28.5	1431	140	131
4c 35 + 10E	258	7.8	32.2	1917	173	162
4c 50 + 16E	291	9.2	36.4	2656	218	204
4c 70 + 25E	329	10.8	41.1	3535	273	255
4c 95 + 25E	372	12.8	46.5	4609	327	306
4c 120 + 35E	414	14.5	51.7	5712	385	360
4c 150 + 50E	461	16.3	57.6	7246	442	413
4c 185 + 70E	506	18.0	63.3	8815	503	470
4c 240 + 95E	563	20.3	70.4	10597	598	559
6c 1.5 + 1.5E	132	1.5	16.5	313	-	-
11c 1.5 + 1.5E	159	1.5	19.9	457	-	-
18c 1.5 + 1.5E	179	1.5	22.4	628	-	-
23c 1.5 + 1.5E	202	1.5	25.2	764	-	-
26c 1.5 + 1.5E	206	1.5	25.8	831	-	-
32c 1.5 + 1.5E	219	1.5	27.4	969	-	-
36c 1.5 + 1.5E	226	1.5	28.3	1059	-	-
6c 2.5 + 2.5E	147	2.1	18.3	410	-	-
11c 2.5 + 2.5E	179	2.1	22.4	617	-	-
18c 2.5 + 2.5E	203	2.1	25.4	867	-	-
23c 2.5 + 2.5E	230	2.1	28.8	1064	-	-
26c 2.5 + 2.5E	236	2.1	29.5	1163	-	-
32c 2.5 + 2.5E	251	2.1	31.4	1368	-	-
36c 2.5 + 2.5E	261	2.1	32.7	1512	-	-

*AS/NZS 3008.1 Table 12/15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, 183, 189 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	768	960	1200	1536	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	8064	10176	12992	16384	20736

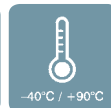
XN

X-90

Flexible Nylon Extruded

Termite Resistant SDI

0.6/1kV 90°C



Typical Applications

Flexible nylon power and control cable suitable for use in Mains, Sub-Mains and Final Sub Circuits in termite prone areas the jacket causes aversion, discomfort and repellence towards rodents, animals, birds, termites and insects.



Standard Core Configuration

1C:	
2C+E:	
3C+E:	
4C+E:	

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] XL-20 (X-90), Cross-Linked, Polyethylene

Jacket E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance.

Nylon Extruded nylon protective barrier

Sacrificial Overjacket Low Friction E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC.

Operating Temp

-40°C to +90°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 3008.1	IEC 60332-1
AS/NZS 3808	IEC 60332-3-22
AS/NZS 5000.1	
AS/NZS 1660.5.1	
AS/NZS 1660.5.6	



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c 6	92	3.1	4.6	11.5	164	51	46
1c 10	100	4.1	5.6	12.5	217	70	64
1c 16	108	5.1	6.6	13.5	283	94	85
1c 25	122	6.4	8.2	15.2	394	125	114
1c 35	133	7.8	9.6	16.6	505	155	141
1c 50	145	9.2	11.3	18.1	667	196	178
1c 70	160	10.8	13.0	20.0	864	248	225
1c 95	177	12.8	15.0	22.2	1130	298	271
1c 120	192	14.5	17.0	24.1	1371	354	322
1c 150	212	16.3	19.2	26.5	1686	409	372
1c 185	230	18.0	21.3	28.8	2051	470	427
1c 240	252	20.3	23.8	31.5	2585	565	514
1c 300	277	22.5	26.2	34.6	3158	650	591
1c 400	306	26.0	30.1	38.2	4089	780	709
1c 500	336	29.2	33.7	42.0	5105	903	821
1c 630	370	32.8	37.7	46.2	6348	1052	956

*AS/NZS 3008.1 Table 8 Unenclosed touching - 90°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 176, 178, 184 and 186 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

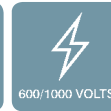
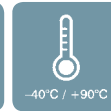
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	566	768	960	1200	1440	1800	2160	2880	3600	4500
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	7968	9952	12800	16000	20160

Flexible Nylon Extruded

Termite Resistant Multi-core

0.6/1kV 90°C



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5 + 1.5E	114	1.5	14.2	213	25	23
2c 2.5 + 2.5E	124	2.1	15.5	266	33	30
2c 4 + 4E	131	2.5	16.4	323	44	40
2c 6 + 6E	141	3.1	17.7	403	56	51
2c 10 + 4E	153	4.1	19.2	486	79	72
2c 16 + 6E	169	5.1	21.2	646	106	96
2c 25 + 6E	197	6.4	24.6	864	141	128
2c 35 + 10E	220	7.8	27.5	1135	174	158
2c 50 + 16E	246	9.2	30.7	1541	219	199
3c 1.5 + 1.5E	120	1.5	15.0	240	21	19
3c 2.5 + 2.5E	131	2.1	16.4	305	29	26
3c 4 + 4E	139	2.5	17.4	377	37	34
3c 6 + 6E	150	3.1	18.8	478	47	43
3c 10 + 4E	161	4.1	20.2	607	67	61
3c 16 + 6E	179	5.1	22.4	821	89	81
3c 25 + 6E	209	6.4	26.1	1153	119	108
3c 35 + 10E	234	7.8	29.2	1530	149	135
3c 50 + 16E	264	9.2	33.0	2110	187	170
3c 70 + 25E	297	10.8	37.2	2808	235	214
3c 95 + 25E	336	12.8	42.0	3635	282	256
3c 120 + 35E	371	14.5	46.4	4493	333	303
3c 150 + 50E	413	16.3	51.7	5706	383	348
3c 185 + 70E	454	18.0	56.7	6953	436	396
3c 240 + 95E	500	20.3	62.5	8846	519	472
4c 1.5 + 1.5E	127	1.5	15.8	272	21	19
4c 2.5 + 2.5E	140	2.1	17.5	350	29	26
4c 4 + 4E	148	2.5	18.5	438	37	34
4c 6 + 6E	161	3.1	20.2	560	47	43
4c 10 + 4E	174	4.1	21.8	740	67	61
4c 16 + 6E	194	5.1	24.3	1014	89	81
4c 25 + 6E	228	6.4	28.5	1431	119	108
4c 35 + 10E	258	7.8	32.2	1917	149	135
4c 50 + 16E	291	9.2	36.4	2656	187	170
4c 70 + 25E	329	10.8	41.1	3535	235	214
4c 95 + 25E	372	12.8	46.5	4609	282	256
4c 120 + 35E	414	14.5	51.7	5712	333	303
4c 150 + 50E	461	16.3	57.6	7246	383	348
4c 185 + 70E	506	18.0	63.3	8815	436	396
4c 240 + 95E	563	20.3	70.4	10597	519	472
6c 1.5 + 1.5E	132	1.5	16.5	313	-	-
11c 1.5 + 1.5E	159	1.5	19.9	457	-	-
18c 1.5 + 1.5E	179	1.5	22.4	628	-	-
23c 1.5 + 1.5E	202	1.5	25.2	764	-	-
26c 1.5 + 1.5E	206	1.5	25.8	831	-	-
32c 1.5 + 1.5E	219	1.5	27.4	969	-	-
36c 1.5 + 1.5E	226	1.5	28.3	1059	-	-
6c 2.5 + 2.5E	147	2.1	18.3	410	-	-
11c 2.5 + 2.5E	179	2.1	22.4	617	-	-
18c 2.5 + 2.5E	203	2.1	25.4	867	-	-
23c 2.5 + 2.5E	230	2.1	28.8	1064	-	-
26c 2.5 + 2.5E	236	2.1	29.5	1163	-	-
32c 2.5 + 2.5E	251	2.1	31.4	1368	-	-
36c 2.5 + 2.5E	261	2.1	32.7	1512	-	-

*AS/NZS 3008.1 Table 11/14 Unenclosed touching - 90°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 180, 182, 188 and 190 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

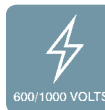
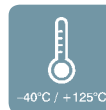
SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1120	1440	1920	2560	3360	4480	5600	7040
CLASS 6	320	512	800	1120	1600	2240	3136	4096	5376	7168	9472	12288	16128	20480	25792

CDT

X-HF-110/HFS-110-TP

Flexible LSZH Nylon

termite/vermin resistant SDI
0.6/1kV 125°C



Typical Applications

High mechanical strength flexible nylon termite and vermin resistant cables suitable for Switchboard/ Panel wiring, Generators, Mains/ Sub-mains, Final Sub Circuits, All DC Applications, Electric motors, Machinery and Equipment wiring. Designed for use in application requiring 110°C operating temperature.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX® X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. 125°C max operating temperature conforms to UL1581.

Nylon Extruded nylon protective barrier

Jacket Low Friction LSFLEX® T-10 (HFS-110-TP) Flame Retardant, Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Non-poisonous, non-toxic, non-harmful specially formulated jacket designed to repel termites, insects and rodents. Splash Resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60332-1
AS/NZS 1660.5.1 IEC 60332-3-22
AS/NZS 1660.5.2 IEC 60754-2
AS/NZS 1660.5.4 IEC 61034-1&2
AS/NZS 1660.5.6
AS/NZS 3008.1
AS/NZS 3808
AS/NZS 5000.1



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OD OVER NYLON (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	26	3.1	2.6	4.8	9.4	111	61	57
1c	10	29	4.1	2.9	5.0	10.4	156	86	80
1c	16	32	5.1	3.5	5.6	11.4	214	112	105
1c	25	37	6.4	3.9	6.0	13.1	310	149	139
1c	35	41	7.8	4.5	6.6	14.5	409	184	172
1c	50	46	9.2	5.5	7.6	16.4	573	232	217
1c	70	51	10.8	6.5	8.6	18.2	758	292	273
1c	95	57	12.8	8.2	10.3	20.4	1012	352	329
1c	120	63	14.5	9.6	11.7	22.5	1250	417	390
1c	150	69	16.3	11.2	13.3	24.7	1567	482	450
1c	185	76	18.0	13.0	15.1	27.0	1897	552	516
1c	240	83	20.3	15.0	17.1	29.7	2311	663	620
1c	300	103	22.5	17.0	19.0	32.3	2971	764	714
1c	400	116	26.0	19.2	21.2	36.4	3893	915	855
1c	500	129	29.2	21.3	23.3	40.4	4912	1059	990
1c	630	143	32.8	23.8	25.8	44.6	6140	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	720	880	1120	1440	1840	2304	2944	3680	4608
CLASS 6	320	512	800	1120	1600	2240	3072	3936	5040	6528	8384	10624	13696	17408	22016



Certificate of Compliance

Product name	E-Rubber S-20 & E-Rubber N-30
Certification Standard	Green Building Council of Australia – Best Practice Guidelines for PVC in the Built Environment – 11/2013
Manufacturer	TriCab (Australia) Pty Ltd
Location	33 Prohasky Street Port Melbourne, VIC 3207
Date of Audit	28 March 2014
Date of Issue	01 April 2014
Valid Until	01 April 2016 (supported by evidence of certification of PVC compound – current certificate valid until 3 March 2016)

TriCab (Australia) Pty Ltd commissioned Net Balance Management Group Pty Ltd (Net Balance) to undertake an independent audit of the manufacturing process for PVC cable E-Rubber S-20 & E-Rubber N-30 products using only certified PVC compounded pellets. The audit included a review of production, documentation, systems and interviews with staff at TriCab's Port Melbourne site in support of compliance documentation pathway 2 – Manufacturer's Declaration of compliance with the guidelines (as per the *Green Star PVC credit – Auditor Verification Guidance*). The audit did not include any claims of recycled content (post consumer and post industrial) for the certified products as they are produced only via virgin materials (certified PVC compounded pellets & colors). Contracts are in place for End of life management operations which service all Australian capital cities and operate electrical cable recycling operations of adequate geographic coverage to receive domestically-sold TriCab cables.

This certificate is in evidence that E-Rubber S-20 & E-Rubber N-30 products are produced in a manner that is compliant with the requirements of the Best Practice Guidelines for PVC in the Built Environment as part of the Green Star PVC Credit.

Guy Edgar

RABQSA Environmental Auditor, Certification Number 113751
Associate Director, Net Balance Management Group

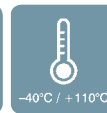


KDPT

X-HF-110

Flexible Nylon

termite/vermin resistant SDI
0.6/1kV 110°C



Typical Applications

High mechanical strength flexible nylon termite and vermin resistant cables suitable for Switchboard/ Panel wiring, Generators, Mains/ Sub-mains, Final Sub Circuits, All DC Applications, Electric motors, Machinery and Equipment wiring. Designed for use in application requiring 110°C operating temperature.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-70, Cross-Linked, Thermoset, Elastomeric.

Nylon Extruded nylon protective barrier

Jacket Low Friction E-RUBBER[®] S-20, Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC.

Operating Temp

-40°C to +110°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.1	IEC 60332-1
AS/NZS 1660.5.6	IEC 60332-3-22
AS/NZS 3008.1	
AS/NZS 3808	
AS/NZS 5000.1	



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OD OVER NYLON (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	26	3.1	2.6	4.8	9.4	111	61	57
1c	10	29	4.1	2.9	5.0	10.4	156	86	80
1c	16	32	5.1	3.5	5.6	11.4	214	112	105
1c	25	37	6.4	3.9	6.0	13.1	310	149	139
1c	35	41	7.8	4.5	6.6	14.5	409	184	172
1c	50	46	9.2	5.5	7.6	16.4	573	232	217
1c	70	51	10.8	6.5	8.6	18.2	758	292	273
1c	95	57	12.8	8.2	10.3	20.4	1012	352	329
1c	120	63	14.5	9.6	11.7	22.5	1250	417	390
1c	150	69	16.3	11.2	13.3	24.7	1567	482	450
1c	185	76	18.0	13.0	15.1	27.0	1897	552	516
1c	240	83	20.3	15.0	17.1	29.7	2311	663	620
1c	300	103	22.5	17.0	19.0	32.3	2971	764	714
1c	400	116	26.0	19.2	21.2	36.4	3893	915	855
1c	500	129	29.2	21.3	23.3	40.4	4912	1059	990
1c	630	143	32.8	23.8	25.8	44.6	6140	1235	1154

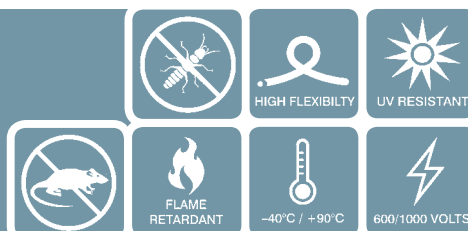
*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	784	1040	1360	1760	2240	2800	3680	4640	5824
CLASS 6	320	512	800	1120	1600	2240	3136	4096	5120	6400	8192	10240	13120	16640	20928

Flexible Nylon

termite/vermin resistant SDI
0.6/1kV 90°C



XDT

X-90

Typical Applications

Flexible nylon extruded termite/ vermin resistant cable suitable for applications including Switchboard/ Panel wiring, Generator, Mains/ Sub-Mains, Final Sub Circuits, All DC Applications, Electric motors, Machinery and Equipment wiring.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] XL-20 (X-90), Cross-linked Polyethylene

Nylon Extruded nylon protective barrier

Jacket Low Friction E-RUBBER[®] N-30 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +90°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Standards

AS/NZS 1125 IEC 60228
AS/NZS 5000.1 IEC 60332-1
AS/NZS 3008.1 IEC 60332-3-22
AS/NZS 3808



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OD OVER NYLON (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	26	3.1	2.6	4.8	9.4	111	51	46
1c	10	29	4.1	2.9	5.0	10.4	156	70	64
1c	16	32	5.1	3.5	5.6	11.4	214	94	85
1c	25	37	6.4	3.9	6.0	13.1	310	125	114
1c	35	41	7.8	4.5	6.6	14.5	409	155	141
1c	50	46	9.2	5.5	7.6	16.4	573	196	178
1c	70	51	10.8	6.5	8.6	18.2	758	248	225
1c	95	57	12.8	8.2	10.3	20.4	1012	298	271
1c	120	63	14.5	9.6	11.7	22.5	1250	354	322
1c	150	69	16.3	11.2	13.3	24.7	1567	409	372
1c	185	76	18.0	13.0	15.1	27.0	1897	470	427
1c	240	83	20.3	15.0	17.1	29.7	2311	565	514
1c	300	103	22.5	17.0	19.0	32.3	2971	650	591
1c	400	116	26.0	19.2	21.2	36.4	3893	780	709
1c	500	129	29.2	21.3	23.3	40.4	4912	903	821
1c	630	143	32.8	23.8	25.8	44.6	6140	1052	956

*AS/NZS 3008.1 Table 8 Unenclosed touching - 90°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 176, 178, 184 and 186 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	556	768	960	1200	1500	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3840	4800	6144	7680	9600	12288	15360	19200



SUBMERSIBLE/ PUMP



- Low Bend Radius
- Super Flexible
- Low Smoke
Zero Halogen
- Tested to a water depth
of 1000 metres
- High Operating
Temperatures

Designed and built to last in an underwater environment



- TriCab's range of dependable Submersible/Pump cables are suitable for both freshwater and saltwater applications up to a depth of 1000 metres.
- LSZH, non-toxic, non-hazardous and fully compliant with ROHS and REACH directives.
- High continuous operating temperature for hazardous environments or safety margin.



X-HF-110/E-110-R

Flexible LSZH Rubber Braided Submersible Pump with Pilots 0.6/1KV 125°C

SUBMERSIBLE
TO 1000M

HIGH FLEXIBILITY



UV RESISTANT

LOW SMOKE
ZERO HALOGEN

-40°C / +125°C



600/1000 VOLTS



Typical Applications

Flexible Rubber Braided Submersible cable with Pilots suitable for subaquatic applications such as submersible pumps and electric motors.



Standard Core Configuration

3C: +E

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-80 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Bedding LSFLEX[®] E-80 (E-110-R), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Braid Tinned Copper Wire braid (90%) or Galvanized Steel Wire braid (90%)

Separator Polypropylene tape

Jacket LSFLEX[®] E-80 (E-110-R) Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Water Depth

Tested to 1000 metres

Voltage Rating

600/1000 Volts

Standards

AS/NZS 1125

AS/NZS 1660.5.2

AS/NZS 1660.5.4

AS/NZS 3008.1

AS/NZS 3808

AS/NZS 5000.1

Core identification

To customers specification

Jacket Colour

To customers specification



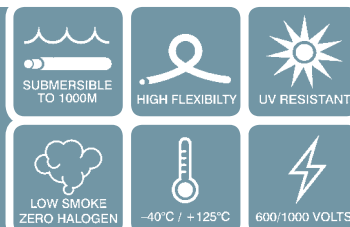
NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	NOMINAL CONDUCTOR DIAMETER (mm)	NUMBER OF PILOTS (p) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL OD OVER BEDDING (mm)	NOMINAL OD OVER BRAID (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
4c	2.5	2c	1.5	78	13.1	13.5	19.4	34	32
4c	4	2c	1.5	85	14.5	14.9	21.2	45	42
4c	6	2c	1.5	95	16.3	16.7	23.7	58	54
4c	10	4c	1.5	106	17.5	17.9	26.5	80	75
4c	16	4c	1.5	116	19.5	19.9	29.0	106	99
4c	25	4c	1.5	132	22.7	23.1	33.0	140	131
4c	35	4c	1.5	150	26.1	26.5	37.4	173	162
4c	50	4c	1.5	169	30.0	30.4	42.2	218	204
4c	70	4c	1.5	192	34.7	35.1	47.9	273	255
4c	95	4c	1.5	216	39.6	40.0	54.1	327	306
4c	120	4c	1.5	241	44.5	44.9	60.3	385	360
4c	150	4c	1.5	268	49.9	50.3	67.0	442	413
4c	185	4c	1.5	295	55.3	55.7	73.7	503	470
5c	2.5	-	-	72	12.0	12.4	18.1	34	32
5c	4	-	-	78	13.1	13.5	19.4	45	42
5c	6	-	-	87	14.9	15.3	21.8	58	54
5c	10	5c	1.5	112	18.7	19.1	27.9	80	75
5c	16	5c	1.5	127	21.6	22.0	31.8	106	99
5c	25	5c	1.5	146	25.4	25.8	36.4	140	131
5c	35	5c	1.5	165	29.2	29.6	41.2	173	162
5c	50	5c	1.5	187	33.8	34.2	46.8	218	204
5c	70	5c	1.5	213	38.8	39.2	53.2	273	255
5c	95	5c	1.5	241	44.5	44.9	60.3	327	306
5c	120	5c	1.5	268	49.8	50.2	66.9	385	360
5c	150	5c	1.5	299	56.0	56.4	74.8	442	413
5c	185	5c	1.5	328	62.0	62.4	82.1	503	470

*AS/NZS 3008.1 Table 15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 183 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	560	800	1120	1440	1760	2240	2880	3840	4800	6000
CLASS 6	320	512	800	1120	1600	2240	3072	4096	5376	7168	9472	12288	16384	21280	27136

Flexible LSZH Rubber Submersible Pump SDI 0.6/1KV 125°C



KK

X-HF-110/E-110-R

Typical Applications

Flexible Rubber Submersible Power cable suitable for subaquatic applications such as submersible pumps and electric motors.



Standard Core Configuration

1C: ☐

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] R-80 (X-HF-110), Cross-Linked, Thermoset, Elastomeric Rubber.

Jacket LSFLEX[®] E-80 (E-110-R) Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Voltage Rating

600/1000 Volts

Core identification

To customers specification

Jacket Colour

To customers specification

Water Depth

Tested to 1000 metres

Standards

AS/NZS 1125 IEC 60228
AS/NZS 1660.5.2 IEC 60754-2
AS/NZS 1660.5.4 IEC 61034-1&2
AS/NZS 3008.1
AS/NZS 3808
AS/NZS 5000.1



NUMBER OF CONDUCTORS (c)	X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OD OVER INSULATION (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
1c	6	22	3.1	4.6	7.4	84	61	57
1c	10	25	4.1	5.6	8.4	128	86	80
1c	16	28	5.1	6.7	9.4	183	112	105
1c	25	33	6.4	8.4	11.2	275	149	139
1c	35	38	7.8	9.8	12.6	370	184	172
1c	50	43	9.2	11.5	14.2	523	232	217
1c	70	49	10.8	13.3	16.2	704	292	273
1c	95	55	12.8	15.3	18.2	949	352	329
1c	120	61	14.5	17.3	20.4	1171	417	390
1c	150	68	16.3	19.5	22.8	1486	482	450
1c	185	75	18.0	21.7	25.2	1805	552	516
1c	240	83	20.3	24.2	28.0	2314	663	620
1c	300	91	22.5	27.2	30.6	2921	764	714
1c	400	104	26.0	30.7	34.8	3753	915	855
1c	500	115	29.2	34.4	38.5	4733	1059	990
1c	630	128	32.8	38.4	42.7	5936	1235	1154

*AS/NZS 3008.1 Table 9 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 177, 179, 185 and 187 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020



X-HF-110/E-110-R

Flexible LSZH Rubber Submersible Pump Multi-core 0.6/1KV 125°C

SUBMERSIBLE
TO 1000M

HIGH FLEXIBILITY



UV RESISTANT

LOW SMOKE
ZERO HALOGEN

-40°C / +125°C



600/1000 VOLTS



Typical Applications

Flexible Rubber Submersible
Power cable suitable for subaquatic
applications such as submersible
pumps and electric motors.



Standard Core Configuration

2C:	
2C+E:	
3C+E:	
4C+E:	

Construction

Conductor Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

Insulation LSFLEX[®] X-125 (X-HF-110), Cross-Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen.

Jacket LSFLEX[®] E-80 (E-110-R) Cross Linked, Thermoset, Elastomeric, Low Smoke Zero Halogen. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Anti-Termite/Rodent Jacket is Available.

Operating Temp

-40°C to +125°C

Water Depth

Tested to 1000 metres

Voltage Rating

600/1000 Volts

Standards

AS/NZS 1125	IEC 60228
AS/NZS 1660.5.2	IEC 60754-2
AS/NZS 1660.5.4	IEC 61034-1&2
AS/NZS 3008.1	
AS/NZS 3808	
AS/NZS 5000.1	

Core identification

To customers specification

Jacket Colour

To customers specification



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm ²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5	27	1.5	9.1	81	30	28
2c 2.5	32	2.1	10.7	117	41	38
2c 4	35	2.5	11.7	156	54	50
2c 6	39	3.1	13.2	211	67	63
2c 10	53	4.1	17.5	366	94	88
2c 16	60	5.1	19.9	515	124	116
2c 25	72	6.4	24.1	780	165	154
2c 35	82	7.8	27.4	1047	203	190

*AS/NZS 3008.1 Table 12 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181 and 189 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

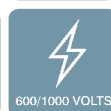
CONDUCTOR STRANDING - Approx. number of wires

SIZE mm ²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	356	485	614	765	944	1255	1530	2035	1768	3200
CLASS 6	320	512	800	1120	705	990	1340	1690	2123	1470	1905	2385	3200	4010	5020

Flexible LSZH Rubber

Submersible Pump Multi-core

0.6/1KV 125°C



NUMBER OF CONDUCTORS (c) X CROSS SECTION AREA (mm²)	MINIMUM BENDING RADIUS (mm)	NOMINAL CONDUCTOR DIAMETER (mm)	NOMINAL OVERALL DIAMETER (mm)	APPROX WEIGHT (kg/km)	CURRENT RATING Unenclosed Touching 30°C Ambient in Air (Amps)	CURRENT RATING Unenclosed Touching 40°C Ambient in Air (Amps)
2c 1.5 + 1.5E	29	1.5	9.8	100	30	28
2c 2.5 + 2.5E	34	2.1	11.3	144	41	38
2c 4 + 4E	37	2.5	12.3	196	54	50
2c 6 + 6E	42	3.1	14.1	272	67	63
2c 10 + 10E	56	4.1	18.6	469	94	88
2c 16 + 16E	63	5.1	21.1	668	124	116
2c 25 + 25E	77	6.4	25.6	1017	165	154
2c 35 + 35E	88	7.8	29.2	1372	203	190
2c 50 + 50E	100	9.2	33.4	1925	255	238
2c 70 + 70E	114	10.8	38.0	2588	320	299
2c 95 + 95E	130	12.8	43.4	3467	382	357
2c 120 + 120E	145	14.5	48.2	4298	450	421
2c 150 + 150E	162	16.3	54.1	5445	516	482
2c 185 + 185E	179	18.0	59.7	6614	585	547
2c 240 + 240E	199	20.3	66.3	8428	698	652
2c 300 + 300E	218	22.5	72.6	10561	797	745
3c 1.5 + 1.5E	32	1.5	10.7	123	26	24
3c 2.5 + 2.5E	37	2.1	12.4	178	34	32
3c 4 + 4E	41	2.5	13.8	250	45	42
3c 6 + 6E	47	3.1	15.7	347	58	54
3c 10 + 10E	61	4.1	20.4	591	80	75
3c 16 + 16E	69	5.1	23.2	846	106	99
3c 25 + 25E	85	6.4	28.3	1297	140	131
3c 35 + 35E	97	7.8	32.2	1751	173	162
3c 50 + 50E	110	9.2	36.8	2462	218	204
3c 70 + 70E	126	10.8	42.1	3324	273	255
3c 95 + 95E	144	12.8	48.0	4454	327	306
3c 120 + 120E	161	14.5	53.7	5532	385	360
3c 150 + 150E	181	16.3	60.2	7021	442	413
3c 185 + 185E	199	18.0	66.3	8519	503	470
3c 240 + 240E	221	20.3	73.7	10877	598	559
3c 300 + 300E	242	22.5	80.8	13635	683	638
4c 1.5 + 1.5E	35	1.5	11.8	150	26	24
4c 2.5 + 2.5E	42	2.1	13.9	220	34	32
4c 4 + 4E	46	2.5	15.2	304	45	42
4c 6 + 6E	52	3.1	17.2	422	58	54
4c 10 + 10E	67	4.1	22.3	716	80	75
4c 16 + 16E	77	5.1	25.6	1036	106	99
4c 25 + 25E	94	6.4	31.2	1589	140	131
4c 35 + 35E	107	7.8	35.8	2156	173	162
4c 50 + 50E	123	9.2	41.1	3045	218	204
4c 70 + 70E	141	10.8	47.0	4105	273	255
4c 95 + 95E	161	12.8	53.7	5514	327	306
4c 120 + 120E	180	14.5	60.1	6857	385	360
4c 150 + 150E	202	16.3	67.3	8691	442	413
4c 185 + 185E	223	18.0	74.3	10558	503	470
4c 240 + 240E	248	20.3	82.7	13494	598	559

*AS/NZS 3008.1 Table 12/15 Unenclosed touching - 110°C operating temperature. For Current ratings based on other installation methods, refer to the table on pages 181, 183, 189 and 191 of this catalogue. **There is +/-2% tolerance to the NOMINAL value due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc, and reserves the right to modify the specifications at any time.

CONDUCTOR STRANDING - Approx. number of wires

SIZE mm²	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630
TriCab	144	224	350	490	707	980	1344	1672	2090	2584	3344	4144	5488	6944	8736
CLASS 5	80	128	200	280	400	556	768	960	1200	1536	1920	2400	3072	3840	4800
CLASS 6	320	512	800	1120	1600	2240	3072	3936	4960	6336	7968	10080	12800	16000	20160



POTABLE WATER