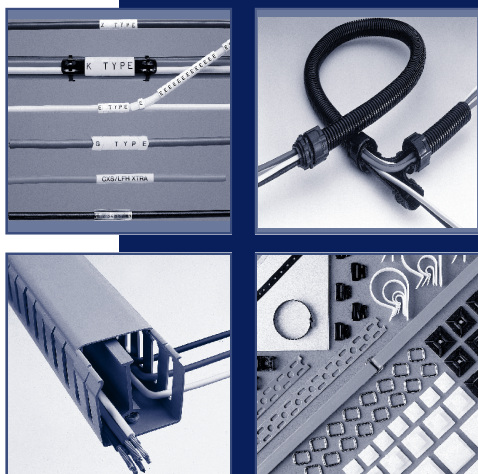
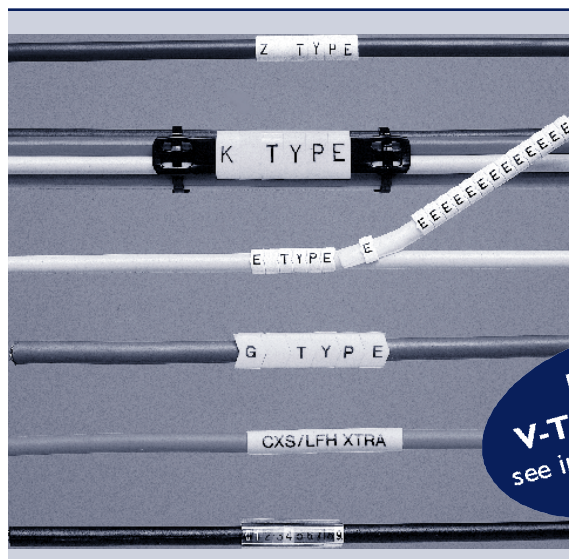




product CATALOGUE

year 2000



A comprehensive range of cable marker products and systems for all kinds of applications and environments.

BETAMARK[®]

- ☐ Z-Type[®]
- ☐ G-Type[®]
- ☐ E-Type[®]
- ☐ O-Type[®]
- ☐ CXS/CXC/CXE/CXP
- ☐ Multimark[®]
- ☐ K-Type[®]
- ☐ Unilabel[™]
- ☐ Stainless Steel BetaMarker[®]

For Cable Diameter mm	For Cable Size mm ² (BS6004) (BS6231)	Marker Size	Marker Length mm	Packed Reel Box	Discs	ORDER CODE (Straight Cut)	ORDER CODE (Chevron Cut)
1.5-2.0	–	5	4.5	1000	–	0580	1151
2.0-3.2	1.0	7	4.5	1000	–	0581	1152
2.5-4.0	1.5	9	4.5	1000	250	0615	1153
2.9-4.7	2.5	11	4.5	1000	250	0616	1154
3.4-5.7	4.0	13	4.5	1000	200	0617	1155
3.8-6.3	6.0	15	4.5	1000	150	0618	1156
4.3-6.9	10.0	18	4.5	500	150	0620	1157
5.5-8.9	16.0	23	6.0	500	75	0622	1158
7.9-12.7	25.0	35	6.0	250	50	0624	1159

Applicators for Z-Type Cable Markers

Size	Z-Type Size	Packed	ORDER CODE
1	7	1	1251
2	9	1	1252
3	11	1	1253
4	13	1	1254
5	15	1	1255
6	18	1	1256



Z-Type Markers

- Gusseted design allows marker to fit firmly over a wide range of cable diameters
- 9 sizes for cables from <0.5mm² to 35mm²
- Clear, legible mark
- Choice of straight or chevron cut
- Colour coded option

Material

PVC

Colour Options

STRAIGHT CUT:

White body marked black:

A-Z, 0-9 and symbols, available on reels in boxes and on discs.

Yellow body marked black:

A-Z, 0-9 and symbols, available on reels only

Colour Coded:

0-9 all sizes, available in boxes.

0-9 box pack (100 off each number) also available.

CHEVRON CUT:

White body marked black:

A-Z, 0-9 and symbols, available in boxes only.

Yellow body marked black:

A-Z, 0-9 and symbols, available on reels only.

Colour Coded:

0-9, size 11 only, available in boxes or on reels.

Service Temperature

–45°C to +70°C

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

G-Type Markers

- Limited Fire Hazard
- Zero halogen, UL94 V-0 rated self extinguishing material
- Gusseted design allows marker to fit over a wide range of cable diameters
- Chevron cut ensures marks stay aligned
- 5 sizes for cables from <1.0mm² to 50mm²
- Standard colour: yellow



For Cable Diameter mm	For Cable Size mm ² (BS6004) (BS6231)	Marker Size	Packed Box	ORDER CODE
1.4-2.5	—	G3/10	1000	0719
2.0-3.5	1.0-2.5	G3/20	1000	0720
3.0-6.0	1.5-6.0	G4/10	500	0721
5.0-9.5	10.0-25.0	G6/10	250	0722
8.0-12.5	25.0-50.0	G6/20	250	0723



Material

Modified thermoplastic compound (halogen, silicone and cadmium free).

Colour Options

Yellow body marked black:
A-Z, 0-9 and symbols.

Service Temperature

−45°C to +70°C.

Flammability

LOI 42% O₂, UL94 V-O rated material FTI > 350°C.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels and oils.

For Cable Diameter mm	For Cable Size mm ² (BS6004) (BS6231)	Marker Size	Applicator Colour	Packed	ORDER CODE
1.0-1.4	0.1-0.5	1*	Brown	300	0650
1.4-1.8	0.5-0.7	2*	Grey	300	0651
1.9-2.6	0.7-1.0	3*	Green	300	0652
2.6-3.5	1.5-3.4	6*	Red	300	0653
3.3-4.5	2.5-6.0	9*	Blue	300	0654
4.5-6.0	6.0-10.0	12*	Yellow	300	0655
5.8-8.5	10.0-16.0	15**	Orange	50	0656
8.5-11.5	16.0-25.0	17**	Orange	50	0657
11.0-15.5	25.0-70.0	21**	Grey	50	0658
15.0-19.0	70.0-100.0	24**	Grey	50	0659



E-Type Markers

- Snap-on marker for post-termination application
- Secure grip for positive fixing to the cable
- Supplied on applicators for quick and easy fixing
- Suitable for cables from 0.1mm² to 100mm²
- Colour coded option

Material

POM.

Colour Options

White body marked black:
A-Z, 0-9 and symbols.
Yellow body marked black:
A-Z, 0-9 and symbols.
Colour Coded:
(European): 0-9.

Service Temperature

−40°C to +125°C.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

* Packs contain 10 applicators, each carrying 30 markers.

** Packs contain 50 markers; applicators are sold separately, please ask for details.

For Cable Diameter mm	For Cable Size mm ² (BS6004) (BS6231)	Marker Size	Marker Length mm	Packed	ORDER CODE Part Cut
0.6-1.0	—	0.75	3.0	1000	1106-0
0.9-1.3	—	10	3.0	1000	1107-0
1.1-1.6	—	12	3.0	1000	1108-0
1.4-2.1	—	15	3.0	1000	1109-0
1.9-2.8	—	20	5.0	1000	1110-0
2.4-3.5	1.0	25	5.0	1000	1111-0
2.9-4.8	1.5	30	5.0	1000	1112-0
3.9-5.8	2.5 & 4.0	40	5.0	1000	1113-0
5.3-8.0	6.0 & 10.0	55	5.0	1000	1114-0

Applicators for O-Type Cable Markers

Size	O-Type Size	Packed	ORDER CODE
1	20	1	1251
2	25	1	1252
3	30	1	1253
4	40	1	1254
6	55	1	1256

O-Type Markers

- Thin walled PVC Marker – ideal for densely packed wiring
- Conforms with BS3858 Type 3
- Ident repeated up to 3 times around marker
- Colour coded to BS EN 60062 as standard

Material

PVC.

Standard Colours

Pink body marked black: A-Z and symbols.
Colour coded: 0-9.

Service Temperature

–65°C to +95°C.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

Performance

BS3858:1992 Type 3.



CXS Silicone Markers

- Suitable for extremes of temperature
- Limited Fire Hazard type available
- Full British Standard size range
- British Standard or customised marking
- Two types of expansion tool available
- International colour code



DEFINITIONS

Markers

Printed cut sleeves.

Sleeves

Non-printed cut sleeves.

Sleeving

Continuous material in coils or on spools.

CXS

Internal Diameter (ID) & Wall Thickness

0.5mm to 50mm ID: 0.1mm to 2mm wall thickness. All the relevant BS sizes fall within this range

Lengths

Markers: 3mm to approx. 75mm.
Sleeves: 1.5mm to 150mm.
Sleeving coil lengths vary with ID sizes.

Colours

Black, brown, red, orange, yellow, green, blue, violet, grey, white, translucent.

Material Properties

Zero Halogen. Good resistance to moisture, ozone, UV, acids, alkalis.

Service Temperature

–65°C to +180°C.

Markings

To customer requirements, from single characters to complex legends. Marking once around is standard, double-print available to special order.

Fitting

Approximate maximum expansion 4 x ID (when fitting), 2 x ID (fitted). Use of expansion tools simplifies fitting.

CXS/198

Sizes/Colours/Material Properties/Fitting

As CXS.

Service Temperature

–65°C to +190°C.

Markings

To BS4G198 Part 1 (including special requirements).

CXS/FA

Internal Diameter (ID) & Wall Thickness

0.5mm to 50mm ID.
0.5mm to 2.0mm wall thickness.

Lengths

As CXS.

Colours

As CXS except translucent.

Material Properties

Good resistance to aromatic solvents, oils, fuels, lubricants, acids, alkalis, moisture, ozone, UV.

Service Temperature

–65°C to +200°C.

Markings

To BS4G198 Part 1 (including special requirements).

Fitting

Approximate maximum expansion 2.5 x ID (when fitting), 1.5 x ID (fitted).

CXS/LFH XTRA

Sizes/Colours/Markings/Fitting

As CXS.

Material Properties

As CXS, also Zero Halogen flame retarded, self extinguishing,

Service Temperature

–65°C to +200°C.

CXE Neoprene Markers

- Suitable for binding/identification
- Highly expandable
- British Standard or customised marking
- Full BS3858 size range
- Good resistance to aromatic fluids
- Two sizes of expansion tool available



Sizes

To BS3G198 Part 1 Type 1 and BS3858 Type 1.

Internal Diameter (ID) & Wall Thickness

0.5, 0.75*, 1, 1.2, 1.5, 2, 3, 5, 7.5*, 10, 15*, 20mm ID, 0.4mm to 2.0mm wall thickness. (*sizes not included in BS3858).

Lengths

As CXS.

Colours

As CXS except translucent.

Material Properties

Good resistance to mineral oils, aromatic fuels, acids, alkalis.

Service Temperature

-65°C to +95°C.

Markings

To BS3G198 Part 1 and BS3858 Type 1 or to customer requirements.

Fitting

Approximate maximum expansion 4 x ID (when fitting), 2 x ID (fitted). Use of expansion tools simplifies fitting.

CXC PVC Markers

- Full BS3858 size range
- British Standard or customised marking
- Suitable for binding/identification
- Range of colours

DEFINITIONS

Markers

Printed cut sleeves.

Sleeves

Non-printed cut sleeves.

Sleeving

Continuous material in coils or on spools.

Internal Diameter (ID) & Wall Thickness

0.5mm to 50mm ID.
0.3mm to 1.5mm wall thickness.

Lengths

As CXS.

Colours

As CXS but clear in lieu of translucent. BS2848 material also available in green/yellow stripe.

Material Properties

Good resistance to moisture, ozone, UV, acids, alkalis, aromatic fuel, oils.

Service Temperature

-65°C to +95°C (BS3858)
-65°C to +85°C (BS2848/85T)
-65°C to +105°C (BS2848/105T)

Markings

From single characters to complex legends. Marking once around is standard, double-print available to special order. Also to BS3858 Type 3 if required.

Fitting

Markers (BS3858 material) may be expanded up to approximately 1.4 x ID when fitting and when fitted.



CXP Tape Markers

- High performance pipe and cable marking
- Exceptional operating temperatures – in excess of 300°C
- Wraparound marker with sintered coated protection
- Excellent fluid resistance

Sizes

Available in 4 widths and 2 thicknesses (8 sizes).

Width

½" (12.7mm), ¾" (19.0mm), 1" (25.4mm), 1¼" (32.0mm).

Thickness

0.003" (0.076mm), 0.007" (0.18mm) Note: 0.003" (0.076mm) thick is normally used on pipes/cables up to approximately ½" (12.7mm) diameter. Standard roll length is 11 metres.

Colours

Standard is off white. Single or dual colours also available on 1" (25.4mm) width only, if required, to eg. BSM23.

Material Properties

Good resistance to Aircraft Fuel, Skydrol 500 B4, Kilfrost AL34, Iso-propylalcohol, Dow Corning Silicone Fluid 510/50cs, Sullage Fluid, Acetone.

Service Temperature

-65°C to +300°C plus.

Markings

To specification (AGS, BSM23, Panavia, NSA etc) or to special customer requirements.

Fitting

The tape is treated on the reverse side with a tackifier coating to aid wrapping around the pipe or cable. Final fixing may be by one of the following methods:

- Stainless steel clips (to AGS drawings/specifications) which are sandwiched within the final tape assembly. Clips are supplied separately in each of the 8 tape sizes.
- Use of a clear PTFE heatshrink oversleeve.



Expansion Tools

- For use with silicone and neoprene markers
- Two sizes available, 3 prong, spring loaded
- Replaceable prongs

Minimum Sleeve Internal Diameter

Small 1.5mm, large 3.0mm (all approximate).

Maximum Cable Outside Diameter

Small 8.0mm, large 16.0mm (all approximate).

Maximum Sleeve Length

Small 20mm, large 40mm.

MARKERS

Carriers	To Fit Length mm	Marker Height mm	Marker Quantity	Pack ORDER CODE
0, 2, 4	2.5	3.8	1000 (40 Strips)	0825

CARRIERS

For Cable Diameter mm	For Cable Size mm (BS6004) (BS6231)	Carrier Size	Carrier Length mm	Pack Quantity	ORDER CODE
1.8-4.0	0.5-1.5	0	—	50m coil	0825001
1.8-4.0	0.5-1.5	0	16	1200	0825016
1.8-4.0	0.5-1.5	0	32	600	0825032
2.5-6.0	1.5-6.0	2	—	30m coil	0825201
2.5-6.0	1.5-6.0	2	16	800	0825216
2.5-6.0	1.5-6.0	2	32	400	0825232
5.2-8.0	4.0-16.0	4	16	400	0825416
5.2-8.0	4.0-16.0	4	32	200	0825432

MultiMark™ Kits Description	Pack Quantity	ORDER CODE
MultiMark Kit (Full)	1	08251974
MultiMark Box (Empty)	1	0825900

K-Type Markers and Carrier Strips

- Versatile marking system for cables, cable bundles and conduit
- Elliptical marker profile allows easy fitting to carrier strips
- Large characters for good legibility
- Two styles of carrier strips holding from 7 to 18 marks
- Wide range of fixing methods

Material

PVC.

Service Temperature

−40°C to +70°C.

Colour Options

Yellow body or white body marked black:
A-Z, 0-9 and symbols, available on reels (R) only.
Colour Coded:
0-9, available on reels (R) only.

Chemical Resistance

Excellent resistance to sea water, detergents (10% aqueous), fuels, oils, white and industrial spirit.

MARKERS

For Cable Diameter mm	For Cable Size mm (BS6004) (BS6231)	Marker Size	Marker Length mm	Packed Reel (R)	ORDER CODE
4.2-7.0	4.0-10.0	65	6.0	500	1361

CARRIER STRIPS

K-Type Marker Size	Capacity	Packed	ORDER CODE
65	7 Digits	500	1132
65	12 Digits	500	1131
65	18 Digits	250	1130

Universal Carrier Strip *Flag Type*

K-Type Marker Size	Capacity	Packed	ORDER CODE
65	12 Digits	100	1133

MultiMark Kits

- Suitable for post-termination labelling and re-labelling
- The transparent carrier provides excellent mark protection against acids, alkalis and many solvents
- Complete mark can be assembled prior to fitting to the cable
- Three carrier sizes – low inventory requirements
- Colour coded option

Material

PVC.

Service Temperature

−45°C to +70°C.

Colour Options

White body marked black:
A-Z, 0-9 and symbols, available in boxes.
Yellow body marked blackL
A-Z, 0-9 and symbols, available in boxes.
Colour Coded:
0-9, available in boxes.

MultiMark Kit contains:

- 1 x case.
- 1 x dispenser board.
- 1 of each tool.
- 50 x each letter A-Z (black on white).
- 100 x each number 0-9 (black on white).
- 25 x each number colour coded.
- 25 x each symbol (black on white).
- 150 x 16mm, 50 x 32mm size 0 carriers.
- 100 x 16mm size 2 carriers.
- 50 x 16mm size 4 carriers.

Unilabel Markers and Channels

- Suitable for large cables, doors, conduit and legend plates
- Large character mark for good legibility
- Interchangeable characters
- A choice of fixing methods to suit application

Material

PVC.

Service Temperature

-25°C to +50°C.

Colour Options

A-Z, 0-9 and symbols, all marked black on white.

Chemical Resistance

Good resistance to oils and solvents.

Item	Dimensions mm Size 5	Dimensions mm Size 12	Packed	ORDER CODE Size 5	ORDER CODE Size 12
Label	9.2 x 4.5	18.6 x 10.0	500	0676	0682
Spacer strip (white)	9.2 x 5m	18.6 x 5m	5m coil	0679	0680
End stop (black)	9.2 x 6.0	18.6 x 6.3	500	0678	0684
Channel (plain)	12.5 x 1000	23 x 1000	10 x 1m	0675	0681
Channel (slotted)	12.5 x 1000	23 x 1000	10 x 1m	0499	0688



Stainless Steel BetaMarkers

- Limited Fire Hazard
- Suitable for use in the harshest of environments
- Heavily embossed characters
- 316 Stainless steel
- Fixed with Critchley one-piece stainless steel BetaTies
- 6, 10 or 16 digit carriers



Description	Packed	ORDER CODE
BetaMarker tiles (20 per strip)	200 tiles	0700
Carrier strips 6 digits	100 strips	0703
10 digits	100 strips	0704
16 digits	50 strips	0705
Uncoated stainless steel BetaTies 5 x 140mm	250 ties	1819

Material

316 Stainless steel.

Standard Colours

Metallic, A-Z, 0-9, +, -, / and blank.

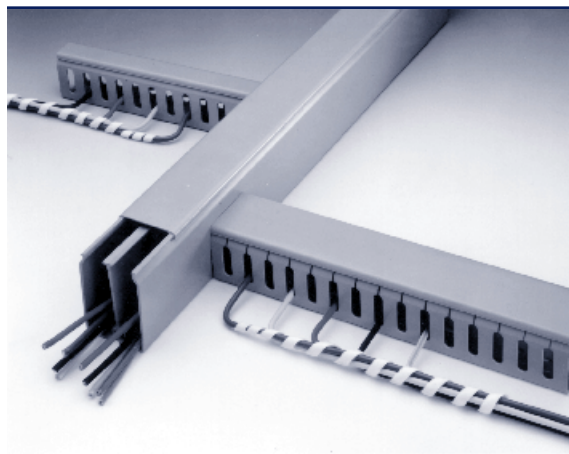
Other products available:

TapeMark

LabelMark

Write-on Label & Marker Pen

Heat Shrinkable Markers



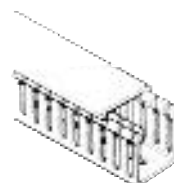
A comprehensive range of products designed specifically for the panel building market. Available in a standard range PVC or high performance Limited Fire Hazard (LFH) material.

Nominal Size Inner (W x H) mm	Nominal Size Outer (W x H) mm	Packed (in 2m Lengths) metres	ORDER CODE Grey RAL 7030 PVC	ORDER CODE Black PVC	ORDER CODE Blue PVC
19/50	25/54	24	10450018	0980	—
25/37.5	29/41	24	10450022	0981	—
25/50	29/54	24	10450023	0913	09136
25/75	29/80	16	10450024	0914	09146
25/100	29/105	16	10450025	0983	—
37.5/37.5	41/41	24	10450032	0984	—
37.5/50	41/54	16	10450033	0985	09856
37.5/75	41/80	16	10450034	0986	09866
37.5/100	41/105	16	10450035	0987	—
50/25	54/29	24	10450051	0988	—
50/37.5	54/41	16	10450052	0989	—
50/50	54/54	16	10450053	0916	09166
50/75	54/80	16	10450054	0917	09176
50/100	54/105	8	10450055	0992	—
75/37.5	80/41	16	10450072	0993	—
75/50	80/54	16	10450073	0994	—
75/75	80/80	16	10450074	0919	09196
75/100	80/105	8	10450075	0996	—
100/50	105/54	8	10450103	0998	—
100/75	105/80	8	10450104	0999	—
100/100	105/105	8	01450105	1000	10006
100/125	105/130	8	10450106	1001	—
125/75	130/80	8	10450124	0941	—

Note: Size 100/125 is not DIN 43659 (base slots) • Size 50/25 has 19mm slot pitching.

BETADUCT

- ☐ Open Slot
- ☐ Narrow Slot
- ☐ Closed Slot
- ☐ Plain
- ☐ LFH Betaduct
- ☐ Accessories



Open Slot Betaduct

- Supplied with lid
- Wide fingers giving additional cable support
- Terminated wires can be re-routed easily
- 20mm slot pitching
- 23 sizes, available in grey, black or blue. Other colours on request

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black and blue.

Service Temperature

−15°C to +60°C.

Flammability

UL94 V-O rated material.

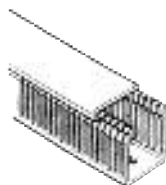
Standards

Base slots to DIN 43659.

Approvals

CSA, UL and Lloyds Register.

Nar row Slot Betaduct



- Supplied with lid
- Ideal for use with slimmer terminal blocks where more access is required
- Improves appearance of panels with cables out in best position
- 10mm slot pitching
- 20 sizes in a choice of grey or black

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black.

Service Temperature

-15°C to +60°C.

Flammability

UL94 V-O rated material.

Standards

Base slots to DIN 43659.

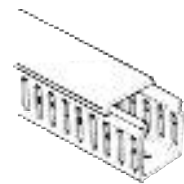
Approvals

CSA, UL and Lloyds Register.

Nominal Size Inner (W x H) mm	Nominal Size Outer (W x H) mm	Packed (in 2m Lengths) metres	ORDER CODE Grey RAL 7030 PVC	ORDER CODE Black PVC
19/50	25/54	24	10470018	10490018
25/37.5	29/41	24	10470022	10490022
25/50	29/54	24	10470023	10490023
25/75	29/80	16	10470024	10490024
25/100	29/105	16	10470025	10490025
37.5/37.5	41/41	24	10470032	10490032
37.5/50	41/54	16	01470033	10490033
37.7/75	41/80	16	10470034	10490034
37.5/100	41/105	16	01470035	10490035
50/37.5	54/41	16	10470052	10490052
50/50	54/54	16	10470053	10490053
50/75	54/80	16	10470054	10490054
50/100	54/105	8	10470055	10490055
75/37.5	80/41	16	10470072	10490072
75/50	80/54	16	10470073	10490073
75/75	80/80	16	10470074	10490074
75/100	80/105	8	10470075	10490075
100/50	105/54	8	10470103	10490103
100/75	105/80	8	10470104	10490104
100/100	105/105	8	10470105	10490105

Nominal Size Inner (W x H) mm	Nominal Size Outer (W x H) mm	Packed (in 2m Lengths) metres	ORDER CODE Grey RAL 7030 PVC	ORDER CODE Black PVC
15/15	17/17	48	10460011	0900
19/50	23/54	24	10460018	0950
25/20	29/25	24	10460021	0901
25/37.5	29/41	24	10460022	0951
25/50	29/54	24	10460023	0903
25/75	29/80	16	10460024	0904
25/100	29/105	16	10460025	0953
37.5/50	41/54	16	10460033	0955
37.5/75	41/80	16	10460034	0956
37.5/100	41/105	16	10460035	0975
50/25	54/29	24	10460051	0938
50/37.5	54/41	16	10460052	0959
50/50	54/54	16	10460053	0906
50/75	54/80	16	10460054	0907
50/100	54/105	8	10460055	0962
75/50	80/54	16	10460073	0964
75/75	80/80	16	10460074	0909
75/100	80/105	8	10460075	0966
100/50	105/54	8	10460103	0968
100/75	105/80	8	10460104	0969
100/125	105/130	8	10460106	0971
125/75	130/80	8	10460124	0940

Note: Sizes 15/15 and 100/125 are not DIN 43659 (base slots).
 Sizes 15/15 and 50/25 have 19mm pitching.
 Size 25/20 has 9.5mm pitching.



Closed Slot Betaduct

- Supplied with lid
- Excellent cable retention
- Enhanced protection for installers
- 20mm slot pitching
- 22 sizes, available in grey or black

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black.

Service Temperature

-15°C to +60°C.

Flammability

UL94 V-O rated material.

Standards

Base slots to DIN 43659.

Approvals

CSA, UL and Lloyds Register.



Plain Betaduct

- Supplied with lid
- Ideal where no break-outs are required or side wall access is infrequent
- Complete cable protection
- 25 sizes, in either grey or black

Material

Self extinguishing PVC.

Standard Colours

RAL 7030 grey, black.

Service Temperature

-15°C to +60°C.

Flammability

UL94 V-O rated material.

Standards

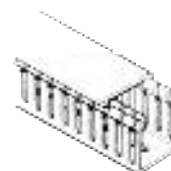
Base slots to DIN 43659.

Approvals

CSA, UL and Lloyds Register.

Nominal Size Inner (W x H) mm	Nominal Size Outer (W x H) mm	Packed (in 2m Lengths) metres	ORDER CODE Grey RAL 7030 PVC	ORDER CODE Black PVC
15/15	17/17	48	10480011	0920
19/50	23/54	24	10480018	1010
25/20	29/25	24	10480021	0921
25/37.5	29/41	24	10480022	1011
25/50	29/54	24	10480023	0923
25/75	29/80	16	10480024	0924
25/100	29/105	16	10480025	1013
37.5/37.5	41/41	24	10480032	1014
37.5/50	41/54	16	10480033	1015
37.5/75	41/80	16	10480034	1016
37.5/100	41/105	16	10480035	1017
50/25	54/29	24	10480051	1018
50/37.5	54/41	16	10480052	1019
50/50	54/54	16	10480053	0926
50/75	54/80	16	10480054	0927
50/100	54/105	8	10480055	1022
75/37.5	80/41	16	10480072	1023
75/50	80/54	16	10480073	1024
75/75	80/80	16	10480074	0929
75/100	80/105	8	10480075	1026
100/50	105/54	8	10480103	1028
100/75	105/80	8	10480104	1029
100/100	105/115	8	10480105	1030
100/125	105/130	8	10480106	1031
125/75	130/80	8	10480124	0942

Note: Sizes 15/15 and 100/125 are not DIN 43659 (base slots).



LFH Betaduct

- Supplied with lid
- Choice of Open slot, Closed slot or Plain
- Limited Fire Hazard
- Zero Halogen
- Low smoke
- Wide range of sizes
- Available in black



Material

Self extinguishing. Modified PPO, Zero Halogen.

Standard Colours

Black.

Service Temperature

-30°C to +120°C.

Flammability

UL94 V-O rated material. BS476 Part 7 Class 1 (Y).

Standards

Base slots to DIN 43659.

Nominal Size Inner (W x H) mm	Nominal Size Outer (W x H) mm	Packed (in 2m Lengths) metres	ORDER CODE Open Slot LFH	ORDER CODE Closed Slot LFH	ORDER CODE Plain LFH
25/35	29/38	24	23461	23451	23471
25/50	29/54	24	23462	23452	23472
25/75	29/80	16	23463	23453	23473
50/50	54/54	16	23464	23454	23474
50/75	54/80	16	23465	23455	23475
75/75	80/80	16	23466	23456	23476

Note: Open and Closed slot have 19mm pitching.

Riveter

	Packed	ORDER CODE
	1	1858

Rivets – recommended hole size for fixing

Betaduct Size mm	Plate Thickness mm	Hole Diameter mm	Packed	ORDER CODE
15 x 15	0.79	3.17	100	1049
	1.57	3.28	100	1049
	2.36	3.45	100	1049
	3.17	3.66	100	1049
	3.56	3.73	100	1049
	All other sizes	5.54	100	1050
	6.35	6.35	100	1050
	7.14	6.53	100	1050
	7.92	6.63	100	1050
	8.74	6.76	100	1050
	9.52	6.91	100	1050



Betaduct Accessories

- Riveters and rivets are designed for quick fixing
- Dividers allow channels to separate wiring within one trunking run
- Insulation washers provide location for dividers, secured by screws into trunking base
- Side cutters allow a clean professional removal of Betaduct slotted sides
- Additional lids available as required

Dividers – for mounting on insulating washers

Trunking Size mm	Wall Height mm	Packed (in 2m Lengths) metres	ORDER CODE Grey RAL 7030 PVC	ORDER CODE Black PVC	ORDER CODE Blue PVC
–/35	26	8	10450008	1038	10386
–/50	45	8	10450009	1039	10396
–/75	70	8	10450010	1040	10406

Insulating Washers

Internal Diameter	Packed	ORDER CODE
3.7mm	50	1044

Side Cutters

	Packed	ORDER CODE
	1	1857

Lids

Trunking Size mm	Packed (in 2m Lengths) metres	ORDER CODE Grey RAL 7030 PVC	ORDER CODE Black PVC	ORDER CODE Blue PVC	ORDER CODE Black LFH
15/–	24	10450001	0931	–	–
25/–	24	10450002	0933	09336	23481
37.5/–	24	01450003	0932	10456003	–
50/–	24	10450004	0934	09346	23482
75/–	24	10450005	0935	09356	23483
100/–	12	10450006	0936	10456006	–
125/–	12	10450007	0937	–	–



☐ LFH Nylon, Polypropylene,
PVC, PVDF, FRHDPE

☐ Connectors

☐ Betasleeve™

☐ Spiroband™

☐ Betashrink®



A comprehensive range of flexible conduit in a variety of materials for specific applications.

LFH Nylon Betaflex 1

- Limited Fire Hazard product, ideal where human life or electronic components are at risk
- Self extinguishing, UL94 V-O rated material
- Zero Halogen
- Excellent UV resistance
- Sizes 16mm to 32mm OD
- Standard colour: black



Material

Self extinguishing nylon 6. Zero Halogen.

Standard Colour

Black.

Service Temperature

-10°C to +120°C (static applications).
-10°C to +100°C (dynamic applications).

Performance

BS EN 50086

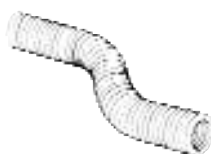
Flammability

UL94 V-O rated material. LOI 37% O₂.

Chemical Resistance

Good: diesel, petrol, fuels, white spirit, inorganic salts, sea water, hydrocarbons, organic acids, alcohols.

Size OD mm	Size ID mm	Minimum Bend Radius mm	Packed m	ORDER CODE
16	12.2	20	5	24112
16	12.2	20	25	24102
20	15.4	25	5	24113
20	15.4	25	25	24103
25	20.1	25	5	24114
25	20.1	25	25	24104
32	26.0	35	5	24115
32	26.0	35	25	24105



Polypropylene Betaflex 1

- Designed for applications where resistance to constant flexing and vibration is essential
- Excellent flexibility
- Zero Halogen
- Sizes 16mm to 56mm OD
- Standard colours: black and grey

Material

Polypropylene. Zero Halogen.

Standard Colours

Grey and black.

Service Temperature

-25°C to +90°C.

Performance

BS EN 50086

Chemical Resistance

Diesel, detergent, inorganic acids, alkalis, oils.

Size OD mm	Size ID mm	Minimum Bend Radius mm	Packed m	ORDER CODE Grey	ORDER CODE Black
16	12.2	20	50	24302	24282
20	15.4	25	50	24303	24283
25	20.1	25	50	24304	24284
32	26.0	35	25	24305	24285
43	37.7	55	25	24307	—
56	50.0	75	25	24309	—

Size OD mm	Size ID mm	Minimum Bend Radius mm	Packed m	ORDER CODE
16	12.2	20	50	24402
20	15.4	25	50	24403
25	20.1	25	50	24404
32	26.0	35	25	24405

PVDF Betafl ex 1

- Ideal where high operating temperatures are required – up to 140°C
- Self extinguishing, UL94 V-O rated material
- Designed to meet demanding military and industrial applications
- Sizes 8mm to 56mm OD
- Standard colours: black and red

Material

Polyvinylidene Fluoride.

Standard Colours

Black and red.

UV Resistance

Excellent.

Service Temperature

-40°C to +140°C.

Performance

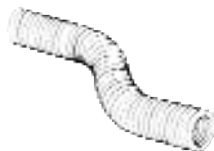
BS EN 50086

Flammability

UL94 V-O rated material. LOI 44% O₂.

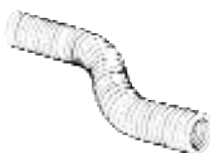
Chemical Resistance

Diesel, detergent, white spirit, acids, aliphatic and aromatic hydrocarbon, inorganic and organic acids, halogenated solvents.



Size OD mm	Size ID mm	Minimum Bend Radius mm	Packed m	ORDER CODE Red	ORDER CODE Black
8	5.5	20	50	246108	246008
10	7.3	10	50	24610	24600
12	9.0	10	50	24611	24601
16	12.5	20	30	24612	24602
20	15.5	25	30	24613	24603
25	20.3	25	30	24614	24604
32	26.0	35	30	24615	24605

Larger sizes available on request.



Size OD mm	Size ID mm	Minimum Bend Radius mm	Packed m	ORDER CODE
12	8.9	10	50	24201
16	12.2	20	50	24202
20	15.4	25	50	24203
25	20.1	25	50	24204
32	26.0	35	25	24205

PVC Betafl ex 1

- Excellent lightweight economical conduit, suitable for a variety of applications
- Sizes 16mm to 32mm OD
- Available in white

Material

Polyvinyl Chloride.

Standard Colour

White.

Service Temperature

-15°C to +60°C.

Performance

BS EN 50086

Chemical Resistance

Diesel, detergent, white spirit, mineral oils, inorganic solvents.

FRHDPE Betafl ex 1

- Ideal for sub-zero applications – down to -50°C
- Flame retarded
- Sizes 12mm to 32mm OD
- Standard colour: white

Material

Flame Retarded High Density Polyethylene

Standard Colour

White.

Service Temperature

-50°C to +55°C.

Performance

BS EN 50086

Chemical Resistance

Diesel, petrol, fuels, detergent, white spirit, inorganic salts, oils.

Betafl ex Adaptors

- Easy to fit two-piece adaptor
- Can be fitted with sealing washers and used with metric threaded boxes or with lock rings. PG threads also available
- Self extinguishing nylon, UL94 V-O rated material
- Zero Halogen
- Available in black, grey or white

Material

Flame retarded nylon.

Service Temperature

-50°C to +55°C.

Standard Colours

Black, grey and white.

Flammability

UL94 V-O rated material.

Conduit Size OD mm	Thread Size	Packed	ORDER CODE Black	ORDER CODE Grey	ORDER CODE White
16	M16 x 1.5	50	24212	24312	24412
	M20 x 1.5	10	24272	—	—
	PG11	50	—	24532	—
20	M20 x 1.5 PG16	50	24213	24313	24413
		50	—	24533	—
25	M25 x 1.5 PG21	50	24214	24314	24414
		50	—	24534	—
32	M32 x 1.5 PG29	10	24215	24315	24415
		25	—	24536	—
43	PG36	1	—	24537	—
56	PG48	1	—	24539	—

Note: PG thread size includes lock-ring.



Betafl ex Elbows

- Swept bend for ease of wiring, gives neat right-angled junctions with threaded or unthreaded components
- Self extinguishing nylon, UL94 V-O rated material
- Zero Halogen
- Available in black, grey or white

Material

Flame retarded nylon.

Service Temperature

-50°C to +55°C.

Standard Colours

Black, grey and white.

Flammability

UL94 V-O rated material.

Conduit Size OD mm	Thread Size	Packed	ORDER CODE Black	ORDER CODE Grey	ORDER CODE White
16	M16 x 1.5	10	24222	24322	24422
20	M20 x 1.5	10	24223	24323	24423
25	M25 x 1.5	10	24224	24324	24424
32	M32 x 1.5	5	24225	24325	24425



Betafl ex T-pieces

- Two-piece design enables lay-in wiring
- When used with a reducer kit provides step-down options for one or two exits
- Self extinguishing nylon, UL94 V-O rated material
- Zero Halogen
- Available in black or grey

Material

Flame retarded nylon.

Standard Colours

Black and grey.

Service Temperature

-50°C to +55°C.

Flammability

UL94 V-O rated material.

Conduit Size OD mm	Thread Size	Packed	ORDER CODE Black	ORDER CODE Grey
16	—	5	24242	24342
20	—	5	24243	24343
25	—	5	24244	24344
32	—	2	24245	24345



Conduit Size mm	Packed	ORDER CODE Black	ORDER CODE Grey	ORDER CODE LFH Black Nylon
16	20	24262	24362	24562
20	20	24263	24363	24563
25	20	24264	24364	24564
32	10	24265	24365	24565

Lock Rings for Adaptors and Elbows

- Limited Fire Hazard
- Self extinguishing nylon
- UL94 V-O rated material
- Zero Halogen
- Available in black, grey or white



Material

Flame retarded nylon.

Standard Colours

Black, grey and white.

Service Temperature

-50°C to +55°C.

Flammability

UL94 V-O rated material.



Conduit Size OD mm	Thread Size	Packed	ORDER CODE Black	ORDER CODE Grey	ORDER CODE White
16	M16 x 1.5	100	24232	24332	24432
20	M20 x 1.5	100	24233	24333	24433
25	M25 x 1.5	100	24234	24334	24434
32	M32 x 1.5	50	24235	24335	24435

Saddles

- Provides rigid mounting with two screws
- Standard product available in grey PVC
- Limited Fire Hazard variant is manufactured in black flame retarded nylon



Standard Material

PVC.

Standard Colour

Grey.

Service Temperature

-25°C to +50°C.

Limited Fire Hazard Material

Flame retarded nylon.

Standard Colour

Black.

Service Temperature

-10°C to +120°C.

Flammability

UL94 V-O rated material.



Conduit Size mm	Packed	ORDER CODE Grey	ORDER CODE LFH Black Nylon
16	100	24522	24552
20	100	24523	24553
25	100	24524	24554

Conduit Clips

- Single point fixing
- Snap lock action allows rapid mounting
- Standard product is available in a choice of black or grey polypropylene

Standard Material

Polypropylene.

Standard Colours

Black and grey.

Service Temperature

-25°C to +90°C.

Limited Fire Hazard Material

Flame retarded nylon coloured black.

Service Temperature

-10°C to +120°C.

Sealing Washers

- Tough neoprene sealing washers
- Aids sealing for arduous conditions
- Available in a variety of sizes, for use with adaptors, elbows and T-pieces

Material

Neoprene.

Conduit Size mm	Packed	ORDER CODE
16	50	24512
20	50	24513
25	50	24514
32	10	24515

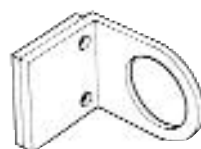
Betaflex Reducer Kits

- Enables elbows and T-pieces to accommodate smaller conduit sizes
- Limited Fire Hazard
- Nylon material
- Fits 20-32mm unreduced diameters

Material

Flame retarded nylon.

Conduit OD Reduction mm	Packed	ORDER CODE
20 to 16	10	24252
25 to 20	10	24253
32 to 25	4	24254



Cubicle Door Hinge Assembly Brackets

- Limited Fire Hazard
- Enables effective routing from a cubicle to the door
- Screw or self adhesive fixing
- Robust construction

Material

Stove finished aluminium.

Service Temperature

Exceeds +120°C (max. 45°C with self adhesive pad).

Bracket Nominal ID mm	Packed	ORDER CODE
25	10	1338
32	10	1339

Betasleeve

- Braided sleeving is ideal for containing cable bundles, giving protection against abrasion, vibration and mechanical damage
- Standard braided sleeving is manufactured from polyester in a choice of black or grey
- LFH braided sleeving (CXLP) is treated glass fibre providing operating temperatures in excess of 300°C, available in black
- The standard and Limited Fire Hazard ranges are both Zero Halogen
- Wide range of sizes available

Nominal Diameter mm	Cable Size min-max mm ²	Coil Length m	ORDER CODE Black	ORDER CODE Grey
6	4.0-9.0	100	16200600	16210600
10	6.0-14.0	100	16201000	16211000
15	10.0-20.0	50	16201500	16211500
25	16.0-31.0	25	16202500	16212500

Other sizes available to special order.



LFH Braided Sleeving (CXLP)

Sizing

Nominal Inner Diameter (mm) 4.5, 5, 6, 8, 10, 12, 15, 19, 22, 25, 30.

Lengths

Available in cut lengths: 1.8 metres maximum.

Material

Silicone coated glass fibre. Zero Halogen.

Standard Colour

Black.

Service Temperature

-65°C to +300°C plus.

Polyester Braided Sleeving

Material

Polyester. Zero Halogen.

Standard Colours

Black and grey.

Service Temperature

-50°C to +150°C.

Strength

Individual strands – 25 Newtons.

Flammability

UL94 V-2 rated material.

Chemical Resistance

Good resistance to acids and solvents.



Nominal Size OD mm	Nominal Wall Thickness mm Polyethylene	Nominal Wall Thickness Nylon	Packed m	ORDER CODE LDPE Black	ORDER CODE LDPE Natural	ORDER CODE FR LDPE White	ORDER CODE Nylon 12 Natural
3	0.7	0.4	50	0200	0201	0202	0203
6	1.25	0.6	50	0204	0205	0206	0207
12	1.75	0.8	25	0208	0209	0210	0211



Spiroband

- Easy to apply wrapping with effective wiring-out
- Protects tubes and cables from abrasion
- Standard range available in a variety to materials
- Available in a range of colours
- Limited Fire Hazard range provides a Zero Halogen, UL94 V-O rated and low smoke material with operating temperatures of up to 120°C

Material

Low density polyethylene (LDPE).

Standard Colours

Black and natural.

Service Temperature

-50°C to +50°C.

Material

Nylon 12.

Standard Colour

Natural.

Service Temperature

-15°C to +100°C (static applications).
-15°C to +80°C (dynamic applications).

Material

LDPE – Flame retarded.

Standard Colour

White.

Service Temperature

-50°C to +50°C.

Flammability

UL94 V-2 rated material. LOI 23% O₂.

LFH Spiroband

Material

Nylon.

Standard Colour

Grey.

Service Temperature

-10°C to +120°C.

Flammability

UL94 V-0 rated material. LOI 37% O₂.



Nominal Size OD mm	Nominal Wall Thickness mm (Nom)	Packed m	ORDER CODE LFH
3	0.4	50	0240
6	0.6	50	0241
12	0.7	25	0242

Betashrink MG – Military Grade

- Military grade heat shrink sleeving
- Meets a number of military specifications and approvals
- Available in cut lengths of 1.2m
- Standard colours: black, clear, red, blue and yellow
- 2:1 shrink ratio

Material

Irradiated polyolefin.

Standard Colours

Black, clear, red, blue and yellow.

Service Temperature

-55°C to +135°C.

Minimum Shrink Temperature

90°C.

Flammability

UL – 224 VW-1 except clear.

Approvals

MIL-DTL-23053/5 class 1 and 3.

Int. Diameter Min. Before Shrinkage mm	Int. Diameter Max. After Shrinkage mm	Wall Thickness After Shrinkage mm (Nom)	Pack Size	Black	Yellow	Clear	Red	Blue
1.2	0.6	0.40	50 x 1.2m	4610	4614	4617	–	–
1.6	0.8	0.40	50 x 1.2m	4620	4624	4627	–	–
2.4	1.2	0.50	50 x 1.2m	4630	4634	4637	–	–
3.2	1.6	0.50	50 x 1.2m	4640	4644	4647	–	–
4.8	2.4	0.50	50 x 1.2m	4650	4654	4657	–	–
6.4	3.2	0.60	25 x 1.2m	4660	4664	4667	–	–
9.5	4.8	0.60	25 x 1.2m	4670	4674	4677	4672	4676
12.7	6.4	0.60	25 x 1.2m	4680	4684	4687	4682	4686
19.1	9.5	0.75	25 x 1.2m	4690	4694	4697	4692	4696
25.4	12.7	0.90	15 x 1.2m	4700	4704	4707	4702	4706
38.1	19.1	1.00	10 x 1.2m	4710	4714	4717	4712	4716
50.8	25.4	1.10	5 x 1.2m	4720	4724	4727	–	–



Int. Diameter Min. Before Shrinkage mm	Int. Diameter Max. After Shrinkage mm	Wall Thickness After Shrinkage mm (Nom)	Nominal Length m	ORDER CODE Black
12	3	2.0	1.2	56000001
20	6	2.2	1.2	56000003
30	10	2.3	1.2	56000005
34	10	2.3	1.2	56000009
40	12	2.4	1.2	56000010
45	13	2.4	1.2	56000011
54	18	2.4	1.2	56000013
70	25	2.4	1.2	56000015
93	30	2.7	1.2	56000023
122	40	2.7	1.2	56000028
180*	60	3.1	1.2	56060067

*Only available uncoated.
Larger sizes also available without inner sealant liner to special order.



Betashrink DW – Dual Wall

- Self-sealing, semi-rigid polyolefin sleeve
- High resistance to abrasion, chemicals and corrosion
- Supplied in 1.2m lengths, or cut to length
- Standard colour: black
- 3:1 shrink ratio

Material

Self-sealing, semi-rigid polyolefin.

Standard Colour

Black.

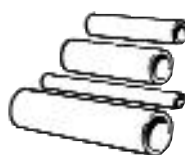
Service Temperature

-55°C to +125°C.

Minimum Shrink Temperature

120°C.

Int. Diameter Min. Before Shrinkage mm	Int. Diameter Max. After Shrinkage mm	Wall Thickness After Shrinkage mm (Nom)	Pack Size	ORDER CODE
4.8	2.4	0.50	5 x 1.2m	56090007
6.4	3.2	0.60	5 x 1.2m	56090001
9.5	4.8	0.60	5 x 1.2m	56090006
12.7	6.4	0.60	5 x 1.0m	56090002
19.1	9.5	0.75	5 x 1.0m	56090005
25.4	12.7	0.90	5 x 0.5m	56090003
38.1	19.1	1.00	5 x 0.25m	56090004



Betashrink HSP – Mixed Colours Pack

- Standard grade polyolefin
- Convenient size packs for short length applications
- Range of colours in each pack
- 2:1 shrink ratio

Material

Irradiated polyolefin.

Standard Colours

Each pack contains 1 length of each of the following colours: red, blue, yellow, black and clear.

Service Temperature

–55°C to +125°C.

Minimum Shrink Temperature

120°C.

Hot Air Gun

- Light, easy to use
- Available as 110V or 240V
- Additional nozzles available



Description	ORDER CODE
Hot Air Gun (240V)	56130006
Hot Air Gun (110V)	56130001
Reducer Nozzle	56130003
Reflector Nozzle	56130004
Fantail Nozzle	56130002

Int. Diameter Min. Before Shrinkage mm	Int. Diameter Max. After Shrinkage mm	Wall Thickness After Shrinkage mm (Nom)	Reel Length m	Black	White	Red	Blue	Yellow
1.2	0.6	0.40	200	56060062	56060063	56060064	56060065	56060066
1.6	0.8	0.40	200	56060050	56060043	56060051	56060044	56060041
2.4	1.2	0.50	150	56060001	56060057	56060019	56060010	56060059
3.2	1.6	0.50	150	56060002	56060058	56060020	56060011	56060033
4.8	2.4	0.50	60	56060003	56060028	56060021	56060012	56060034
6.4	3.2	0.60	60	56060004	56060053	56060022	56060013	56060035
9.5	4.8	0.60	60	56060005	56060029	56060023	56060014	56060036
12.7	6.4	0.60	60	56060006	56060030	56060024	56060015	56060037
19.1	9.5	0.75	75	56060007	56060031	56060025	56060016	56060038
25.4	12.7	0.90	30	56060008	56060032	56060026	56060017	56060039
38.1	19.1	1.00	30	56060009	56060060	56060027	56060018	56060040
50.8	25.4	1.10	30	56060049	Available to special order			
76.2	38.1	1.25	15	56060056				
101.6	50.8	1.40	15	56060061				



Betashrink SG – Standard Grade

- General purpose heat shrink sleeving
- Self extinguishing and flame retarded material
- Available on reels or cut lengths
- Standard colours: black, white, red, blue and yellow
- 2:1 shrink ratio

Material

Flame retarded irradiated polyolefin.

Standard Colours

Black, white, red, blue and yellow.

Service Temperature

–55°C to +125°C.

Minimum Shrink Temperature

120°C.

LFH Betashrink ZH, ZHTW

- Limited Fire Hazard
- Ideal for use where human life or electronic components are at risk
- Choice of thin and thick wall sleeving
- Standard colour: black
- Available in packs of 1.2m lengths
- Meets a number of specifications
- 2:1 shrink ratio

Material

Flame retarded Zero Halogen polyolefin.

Standard Colour

Black.

Service Temperature

-55°C to +125°C.

Minimum Shrink Temperature

120°C.

Approvals

DEF STAN 59-97, Issue 3, Type 8 (Thick wall only).
BS3G198 Part 3, Type 15 (Thin wall only).



LFH Betashrink ZH (Thick wall)

Int. Diameter Min. Before Shrinkage mm	Int. Diameter Max. After Shrinkage mm	Wall Thickness After Shrinkage mm (Nom)	Pack Size	ORDER CODE Black
3.0	1.5	0.7	25 x 1.2m	4751
5.0	2.5	0.9	25 x 1.2m	4752
8.0	4.0	0.9	25 x 1.2m	4753
12.7	6.4	1.2	10 x 1.2m	4754
18.0	9.0	1.4	10 x 1.2m	4755
24.0	12.0	1.8	10 x 1.2m	4756
40.0	20.0	1.8	5 x 1.2m	4757
50.0	25.0	1.8	5 x 1.2m	4758
60.0	30.0	1.8	5 x 1.2m	4759

LFH Betashrink ZHTW (Thin wall)

Int. Diameter Min. Before Shrinkage mm	Int. Diameter Max. After Shrinkage mm	Wall Thickness After Shrinkage mm (Nom)	Pack Size	ORDER CODE Black
3.2	1.6	0.50	50 x 1.2m	4741
4.8	2.4	0.50	25 x 1.2m	4742
6.4	3.2	0.65	25 x 1.2m	4743
9.5	4.8	0.65	25 x 1.2m	4744
12.7	6.4	0.65	15 x 1.2m	4745
19.0	9.5	0.75	15 x 1.2m	4746
25.4	12.7	0.90	10 x 1.2m	4747
38.1	19.0	1.05	10 x 1.2m	4748
50.8	25.4	1.15	5 x 1.2m	4749



A range of cable ties and fixing products in a variety of materials for use in both demanding environments and general applications.

Size mm (W x L) Nominal	Tensile Strength (Min.) Kg	Max. Bundle Diameter mm	Min. Bundle Diameter mm	Packed	ORDER CODE Black Nylon 6.6	ORDER CODE Natural Nylon 6.6	ORDER CODE LFH Grey Nylon 6
2.4 x 80	8*	15	2.50	100/1000	—	1070	—
2.5 x 100	8*	23	3.25	100/1000	1060	1051	1780
2.5 x 120	8*	30	2.75	100/1000	1081	1071	—
4 x 140	23*	32	6.60	100/1000	1062	1053	1781
2.5 x 200	8*	50	2.75	100/1000	1082	1072	—
4 x 200	23*	51	6.60	100/1000	1063	1054	1782
4 x 275	23*	75	6.60	100	1064	1055	1783
5 x 360	23*	100	7.00	100	1061	1052	1784
8 x 240	54*	63	8.30	100	1067	1056	—
8 x 300	54*	82	8.30	100	1068	1057	1786
8 x 375	54*	106	10.30	100	1069	1058	1787
9 x 533	79	140	15.20	100	1083	1073	—
9 x 710	79	190	15.20	100	1084	1074	—

* According to AS23190E, Critchley Nylon 6.6 cable ties exceed this specification.

BETAFIX

- ☐ LFH Nylon 6/Nylon 6.6 Nylon 12
- ☐ Stainless Steel BetaTies
- ☐ Nylon Coated BetaTies
- ☐ Clips
- ☐ Betastrip

LFH Nylon 6 Cable Ties



- Limited Fire Hazard
- Self extinguishing, UL94 V-O rated material
- Zero Halogen
- High tensile strength
- Multi-toothed ratchet for strong locking
- Good resistance to oils and solvents
- Standard colour: grey

Material

LFH Nylon 6. Nylon 6.6.

Standard Colours

LFH (Grey only). Black and natural.

Service Temperature

−25°C to +80°C.

Smoke Emission

(LFH type only) Ao 0.02m²/g (BS6853 B.5.1).

Flammability

(LFH type only) LOI 32% O₂ (BS2782 Pt 1).
UL94 V-O rated material.

Chemical Resistance

Hydraulic fluids, oils, engine fuels, coolants, aliphatic and aromatic hydrocarbons, lubricants.

Nylon 6.6 Cable Ties

- High tensile strength
- Multi-toothed ratchet for strong locking
- Good resistance to oils and solvents
- Standard colours: black and natural



Nylon 12 Cable Ties

- UV stabilised – suitable for outdoor use
- High tensile strength
- Multi-toothed ratchet for strong locking
- Standard colour: black

Material

Nylon 12.

Standard Colour

Black.

Service Temperature

-40°C to +65°C.

UV Resistance

Excellent.

Size mm (W X L) Nominal	Maximum Bundle Diameter mm	Packed	ORDER CODE Black
4 x 140	32	100	1790
4 x 200	51	100	1791
4 x 275	75	100	1792
8 x 240	63	100	1794
8 x 300	82	100	1795
8 x 375	106	100	1796



Flammability

LOI 23% O₂.

Chemical Resistance

Dilute organic acids, oils, hydraulic fluids, inorganic salts, aliphatic and aromatic hydrocarbons.

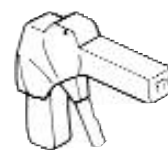
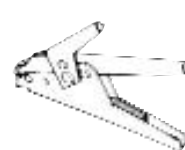
Adjustable Tensioning Tool – Automatic Cut

Maximum Tie Width mm	Packed	ORDER CODE
5.0	1	1846

Recommended Tension Settings Tie width 2.4mm: -1 or +2. Tie width 4.0mm: 3. Tie width 5mm: 4.

Tensioning Tool

Maximum Tie Width mm	Packed	ORDER CODE
8.0	1	1859



Cable Tie Tensioning Tools

- Fast binding
- Automatic cut available
- Robust construction
- Two sizes

Light Duty Stainless Steel BetaTies

- Limited Fire Hazard
- 316 stainless steel
- One-piece construction
- BetaTie puller available
- Suitable for hostile environments



Strap Length		Strap Width		Loop Tensile # Strength (N) Tamped	Maximum Bundle Diameter		Packed	ORDER CODE
inches	mm	inches	mm		inches	mm		
5.5	140	0.2	5.0	1200	1.37	35	250	1819

Minimum Values.



Material

316 Stainless steel.

Standard Colour

Metallic.

Strap Length‡		Loop Tensile # Strength (N) Tamped 6mm Strap Width	Loop Tensile # Strength (N) Tamped 9.5mm Strap Width	Maximum Bundle Diameter inches mm	Colour*	Packed	ORDER CODE 6mm Strap Width	ORDER CODE 9.5mm Strap Width
inches	mm							
9	229	1000	1550	2.3 58	Black	100	1820	1830
12	305	1050	1450	3.3 84	Black	100	1821	1831
18	457	1250	1475	5.2 132	Black	100	1822	1832
24	610	–	1500	7.1 180	Black	50	–	1833

*Other colours are available subject to quotation. ‡Length excluding buckle. #Minimum values.

Stainless Steel BetaTies are covered by the following patents

2188363 B – British 170862 – Norway



Nylon Coated Stainless Steel BetaTies



- Limited Fire Hazard
- 316 stainless steel, with a Zero Halogen nylon 11 coating
- One-piece construction
- BetaTie puller available
- DNV and Lloyds Register approved

Material

Nylon 11 coated 316 Stainless steel.

Standard Colour

Black

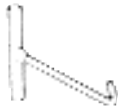
Service Temperature

Up to +80°C.

Description	Packed	ORDER CODE
Puller	1	1843
Hand ratchet puller	1	1844

BetaTie Puller

- Provides fast fixing of BetaTies
- Two types available



Cable Tie Base

- Quick and easy to use
- Strong self adhesive fixing
- Screw fixing facility
- Suitable for either cable ties or Betastrip

Material

Nylon 6.6 with adhesive tape.

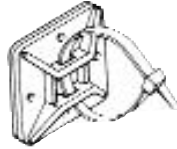
Standard Colour

Black and natural.

Service Temperature

Max. +50°C (+75°C short term).

Base Dimensions mm	Slot Width mm	Packed	ORDER CODE Black	ORDER CODE Natural
25 x 25	8.5	100	1849	1848
18 x 18	4.5	100	1877	1876



Cable Tray Cleat

- Cable tie anchoring device for use with slotted cable tray
- Suitable for use with cable ties or 4.0mm, 8.0mm and 12.0 Betastrip

Material

Nylon 6.6 black.

Standard Colour

Black.

Service Temperature

-20°C to +80°C.



Size Width mm	Packed	ORDER CODE
12	100	0401

Cradle

- Suitable for fixing cable ties to panels and walls

Material

Nylon 6.6.

Standard Colour

Black.

Service Temperature

-25°C to +80°C.

Fixing Hole Diameter mm	Slot Width mm	Packed	ORDER CODE
5.6	9.0	100	1101

Material	Width mm	Packed	ORDER CODE
PVC	8	25m	0390
PVC	12	25m	0392
Nylon	8	30m	0394
Nylon	12	30m	0395
Studs	—	1000	0393

Cable Strapping

- Suitable for binding cable bundles
- Available in nylon or PVC

Material

PVC. Nylon 6.6.

Service Temperature

-15°C to +50°C – PVC.
-50°C to +80°C – Nylon.



Betastrip Buckle

- Available in nylon or zinc plated steel

Material

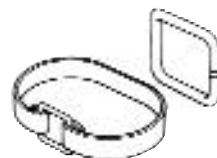
Nylon 6.6.

Standard Colour

Black.

Service Temperature

-25°C to +80°C.



Material	Width mm	Packed	ORDER CODE
Nylon	4	100	0473
Steel	8	100	0425
Steel	12	100	0426

Adhesive Cable Clips

- Strong self adhesive fixing

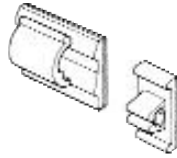
Material

Nylon 6.6 with adhesive tape.

Service Temperature

-20°C to +80°C.

Cable Diameter mm	Base Dimensions (W x H) mm	Packed	ORDER CODE
4	15.9 x 15.9	100	1426
8	25.4 x 25.4	100	1427
14	31.8 x 31.8	50	1850



Size	Diameter mm	Width mm	Screw Hole Diameter mm	Packed	ORDER CODE
1	3.0	9.5	5.2	100	1860
2	6.0	9.5	5.2	100	1861
3	7.5	9.5	5.2	100	1862
4	9.0	9.5	5.2	100	1863
5	11.0	9.5	5.2	100	1864
6	12.5	9.5	5.2	100	1865
7	16.0	12.7	5.2	50	1866
8	20.0	12.7	5.2	50	1867
9	25.0	12.7	5.2	50	1868
10	34.0	12.7	5.2	50	1869

P-Clips

- Secure fixing device for looms and conduits
- Screw fixing
- 10 sizes from 3.0mm to 34.0mm diameter

Material

Nylon 6.6.

Standard Colour

Black.

Service Temperature

-20°C to +85°C.

Approvals

UL file no. E97707.



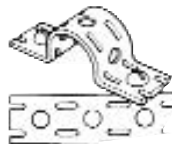
Perforated Betastrip

- Suitable for fixing cables and pipes to cable tray or other surfaces
- Pre-punched – no drilling required
- Polyester coated aluminium
- 125kg breaking load

Material

99% Aluminium strip with stoved polyester resin.

Size	Width mm	Packed m	ORDER CODE Grey	ORDER CODE Orange
19		5 x 10	0413	0416



Size	Width mm	Packed m	ORDER CODE Black	Packed m	ORDER CODE Orange
4	2 x 50		0404	—	—
8	2 x 25		0411	—	—
12	2 x 25		0412	2 x 2.5	0414
19	50 x 2		0408	1 x 2	0415



Plain Betastrip

- Heavy duty, insulated strapping
- Corrosion resistant aluminium

Material

99% Aluminium strip PPVCcoated.

Service Temperature

-15°C to +50°C.

Grommet Strip

- Stops chafing on panel openings
- Suitable for plate thicknesses from 1.0mm to 6.5mm

Material

LDPE natural.

Service Temperature

-50°C to +50°C.



Size	Plate Thickness mm	swg	Minimum Corner Radius mm	Minimum Aperture Diameter mm	Packed m	ORDER CODE
2	1.0 - 1.1	up to 18	4	22	25	0494
3	1.5 - 2.0	17 - 14	5	25	25	0495
4	2.5 - 3.3	13 - 10	6	30	25	0496
5	4.0 - 4.9	—	8	36	25	0497
6	4.5 - 6.5	—	8.5	45	25	0498

Selection Chart

Marker Size	For Cable diameter mm	For Cable Size mm ² (886004) (886231)	Marker length mm	Reel	Packed Disc	Box	ORDER CODE
3	1.4 - 2.8	0.2 - 1.5	3	1000	500	1000	0761
5	2.8 - 5.0	1.5 - 4.0	3	1000	500	1000	0762
10	4.0 - 10.0	2.5 - 16.0	4	1000	150	500	0763
16	8.0 - 16.0	16.0 - 70.0	6	—	—	200	0764

European Colour Coding

Number	Substrate Colour	European
0	Black	White
1	Brown	White
2	Red	White
3	Orange	Black
4	Yellow	Black
5	Green	White
6	Blue	White
7	Violet	White
8	Grey	Black
9	White	Black

Permark™

Permark 316

- Pre-marked to customer requirements
- Customer defined kits for ease of installation
- Excellent chemical, abrasion, corrosion and weather resistance
- Excellent character legibility
- One-piece, 316 stainless steel construction
- Variety of fixing methods

Material

316 Stainless Steel.

Standard Colour

Metallic.

Service Temperature

-80°C to +500°C plus

UV Resistance

Excellent.

Abrasion Resistance

Excellent.

Chemical Resistance

Excellent resistance to: hydrocarbons, fuels, greases, oils, alcohols, inorganic salts and inorganic acids. For resistance to a specific chemical please contact Critchley.



Description	Size (L x H) mm	Printable Area (L x H) mm	ORDER CODE
Pre-marked stainless steel marker	95 x 12	50 x 10	PM09512



BETAMARK®

V-Type™ Marker

- Chevron cut for alignment of marks
- 4 sizes cover cable diameters from 1.4 to 16mm
- Expanding gusset for ease of application
- European colour coding

Available Marks

A-Z, 0-9, +, -, /, phase, earth, blank, full stop.

Colour Options

Yellow or white body marked black: A-Z, 0-9 and symbols. Colour coded (European. Not size 16): 0-9.

Material

PPVC.

Service Temperature

-45°C to +70°C.

Chemical Resistance

Resistant to petrol, industrial diesel, 10% sodium chloride, cutting oil, gear oil, aircraft fuel and abrasion.

Packaging

Boxes, reels and pancake reels.

