



Remark:

A RoHS-non-compliant version is marketed under ÖLFLEX® 110 CY with VDE-REG.-Nr. 8067
To order this, please add appendix <1> to the above stated part numbers.
This does not affect the above given further technical data or description.

Application

- Mainly where electrical interference fields caused e.g. by electrical motor driven by frequency converters, can disturb signal transmissions
- Further applications similar to ÖLFLEX® CLASSIC 110

Areas of application:

- Plant engineering and construction
- Conveying and transport systems
- Measurement and control technology
- Production lines
- Air conditioning installations
- Office machines and systems for data processing
- Paint-spray lines

- The transparent outer sheath protect the tinned copper braiding against soiling and mechanical damage
- The 4 kV Test Voltage ensures high insulation performance
- VDE certificate with production monitoring
- Largely resistant to oil and chemicals
- Manufactured free of substances harmful to lacquer (silicone free) and therefore suitable for use in paint shops

Worth knowing

- The copper braiding serves as a shielding in order to reduce the reciprocal electromagnetic interference between cable and environment

Accessories

- EMC-compliant earthing of the copper braiding with SKINTOP® EMC, see Cable Glands
- SILVYN® Cable Conduit Systems
- FLEXIMARK® Cable Marking
- For cable processing products see "Cable Accessories"

Comparable products:

- UV-resistant cables, see ÖLFLEX® CLASSIC 110 CY black 0.6/1kV or ÖLFLEX® ROBUST 215 C
- For cables with grey outer sheath, see ÖLFLEX® CLASSIC 115 CY
- For continuously flexing applications, see appendix Selection Table A2

Technical notes:

- Flame-retardant acc. to IEC 60332-1-2

- Further technical information see catalogue appendix: Selection Tables (A) and Technical Tables (T)

Cable Make-up

- Finely stranded bare copper wires
- Core insulation made of LAPP PVC Compound P8/1
- Black cores with white numbers
- Cores twisted in layers
- Inner sheath made of special PVC-based compound, grey-coloured
- Tinned copper wire braiding
- Transparent outer sheath made of special PVC-based compound

Advantage

- High shielding coverage and low transfer impedance (max. 250 ohm/km at 30 MHz)

Technical Data

Core identification code
Black cores with white numbers
acc. to VDE 0293

Specific insulation resistance
> 20 GOhm x cm

Conductor stranding
Fine wire acc. to:
VDE 0295 Cl.5
IEC 60228 Cl.5

Minimum bending radius
Flexing:
20 x cable diameter
Static:
6 x cable diameter

Rated voltage
U₀/U: 300/500 V

Test voltage
4000 V

Protective conductor
G = with green/yellow protective
conductor
X = without protective conductor

Temperature range
Flexible application:
-5 °C to +70 °C
Fixed installation:
-40 °C to +80 °C

VDE-tested
VDE reg. No. 7030

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper weight kg/km	Weight kg/km approx.	Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper weight kg/km	Weight kg/km approx.
ÖLFLEX® CLASSIC 110 CY; U₀/U: 300/500 V					1135 807	7 X 0,75	9,7	102,0	161
1135 752	2 X 0,5	7,0	41,0	75	1135 112	12 G 0,75	12,3	177,0	247
1135 003	3 G 0,5	7,3	45,5	83	1135 812	12 X 0,75	12,3	177,0	247
1135 753	3 X 0,5	7,3	45,5	83	1135 118	18 G 0,75	14,5	243,0	356
1135 004	4 G 0,5	7,9	55,0	99	1135 818	18 X 0,75	14,5	243,0	356
1135 754	4 X 0,5	7,9	55,0	99	1135 125	25 G 0,75	16,6	307,3	465
1135 005	5 G 0,5	8,4	66,0	112	1135 134	34 G 0,75	18,9	323,2	601
1135 755	5 X 0,5	8,4	66,0	112	1135 840	40 X 0,75	20,5	369,4	734
1135 007	7 G 0,5	8,9	80,5	132	1135 141	41 G 0,75	20,6	488,0	728
1135 757	7 X 0,5	8,9	80,5	132					
1135 012	12 G 0,5	11,3	138,5	202	1135 852	2 X 1,0	7,9	56,0	98
1135 762	12 X 0,5	11,3	138,5	202	1135 203	3 G 1,0	8,2	65,3	111
1135 018	18 G 0,5	13,3	156,4	289	1135 853	3 X 1,0	8,2	65,3	111
1135 025	25 G 0,5	15,2	250,0	378	1135 204	4 G 1,0	8,7	78,1	130
1135 030	30 G 0,5	16,1	297,0	429	1135 854	4 X 1,0	8,7	78,1	130
1135 040	40 G 0,5	18,2	343,0	542	1135 205	5 G 1,0	9,5	89,4	153
					1135 207	7 G 1,0	10,2	113,3	185
1135 802	2 X 0,75	7,4	46,0	86	1135 212	12 G 1,0	13,3	188,1	307
1135 103	3 G 0,75	7,9	57,9	100	1135 216	16 G 1,0	14,6	216,0	390
1135 803	3 X 0,75	7,9	57,9	100	1135 218	18 G 1,0	15,5	286,0	418
1135 104	4 G 0,75	8,4	64,0	115	1135 225	25 G 1,0	17,5	388,5	544
1135 804	4 X 0,75	8,4	64,0	115	1135 234	34 G 1,0	20,3	505,0	738
1135 105	5 G 0,75	8,9	77,4	130	1135 241	41 G 1,0	22,0	578,0	864
1135 805	5 X 0,75	8,9	77,4	130	1135 250	50 G 1,0	23,8	688,0	1011
1135 107	7 G 0,75	9,7	102,0	161					