



New

ÖLFLEX® SMART 108

Cost-effective VDE-registered PVC control cable

LAPP KABEL STUÏTGART ÖLFLEX® SMART 108 VDE-Reg. Nr. 8639 CE



Info

- VDE certificate of conformity with factory surveillance
- Only available in standard lengths and standard packagings

Benefits

- SMART: good price/performance ratio – the ÖLFLEX® SMART 108 has everything a flexible control cable needs
- SMART: environmentally friendly – internal sheath layer made from recycled PVC with the same high quality of the TM2 model

Application range

- For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load
- Dry or damp rooms that are subject to medium mechanical loads
- Main dimensions available, further dimensions see ÖLFLEX® CLASSIC 110
- For extended applications and individual lengths, see ÖLFLEX® CLASSIC 110.

Product features

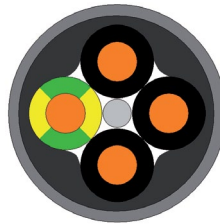
- Flame-retardant according IEC 60332-1-2
- Good chemical resistance, see catalogue appendix T1
- Oil resistance: see data sheet

Norm references / Approvals

- VDE reg. no. 8639

Design

- Fine-wire strand made of bare copper wires
- PVC insulation, T12
- Two-layer PVC outer sheath, TM2; outside silvergrey



Technical data

Classification
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable

Core identification code
Black with white numbers acc. to VDE 0293-1

Specific insulation resistance
> 20 GOhm x cm

Conductor stranding
Fine wire according to DIN EN 60228 (VDE 0295), class 5 / IEC 60228 class 5

Minimum bending radius
Occasional flexing: 15 x outer diameter
Fixed installation: 4 x outer diameter

Nominal voltage
U₀/U: 300/500 V

Test voltage
4000 V

Protective conductor
G = with GN-YE protective conductor
X = without protective conductor

Temperature range
Occasional flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C

Article number	Number of cores and mm ² per conductor	Standard length (m) and standard packaging						Outer diameter in mm	Copper index kg/km	Weight kg/km
		50 m /RG	100 m /RG	200 m /RG	200 m /DR	500 m /DR	1000 m /DR			
ÖLFLEX® SMART 108										
17520099	2X0.5		100	200		500	1000	4.8	9.6	35
10030099	3G0.5		100	200		500	1000	5.1	14.4	42
17530099	3X0.5		100	200		500	1000	5.1	14.4	42
10040099	4G0.5		100	200		500	1000	5.7	19.2	54
17540099	4X0.5		100	200		500	1000	5.7	19.2	54
10050099	5G0.5		100	200		500	1000	6.2	24.0	63
10070099	7G0.5	50	100	200		500	1000	6.7	33.6	81
18020099	2X0.75		100	200		500	1000	5.4	14.4	45
11030099	3G0.75		100	200		500	1000	5.7	21.6	55
18030099	3X0.75		100	200		500	1000	5.7	21.6	55
11040099	4G0.75		100	200		500	1000	6.2	28.8	66
18040099	4X0.75		100	200		500	1000	6.2	28.8	66
11050099	5G0.75	50	100	200		500	1000	6.7	36.0	79
11070099	7G0.75	50	100	200		500	1000	7.3	50.0	101
18520099	2X1		100	200		500	1000	5.7	19.2	53
12030099	3G1		100	200		500	1000	6.0	28.8	65
12040099	4G1	50	100	200		500	1000	6.5	38.4	79
12050099	5G1	50	100	200		500	1000	7.1	48.0	94
12070099	7G1	50	100	200		500	1000	8.0	67.0	126
19020099	2X1.5		100	200		500	1000	6.3	29.0	68
13030099	3G1.5	50	100	200		500	1000	6.7	43.0	84
13040099	4G1.5	50	100	200		500	1000	7.2	58.0	104
13050099	5G1.5	50	100	200		500	1000	8.1	72.0	128
13070099	7G1.5	50	100		200	500	1000	8.9	101.0	166
19520099	2X2.5	50	100	200		500	1000	7.5	48.0	101
14030099	3G2.5	50	100	200		500	1000	8.1	72.0	132
14040099	4G2.5	50	100		200	500	1000	8.9	96.0	163
14050099	5G2.5	50	100		200	500	1000	10.0	120.0	200
14070099	7G2.5	50	100		200	500	1000	11.1	168.0	267

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Standard packaging: ring = RG, drum = DR. Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® CLASSIC 110 refer to page 31

Accessories

- EPIC® Industrial connectors refer to page 483
- SKINTOP® ST-M refer to page 654

ÖLFLEX®
 UNITRONIC®
 ETHERLINE®
 HITRONIC®
 EPIC®
 SKINTOP®
 SILVYN®
 FLEXIMARK®
 ACCESSORIES
 APPENDIX