



ÖLFLEX® SMART 108

Cost-effective VDE-registered PVC control cable



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- VDE certificate of conformity with factory surveillance
- Only available in standard lengths and standard packagings

Technical data

Classification ETIM 5/6
ETIM 5.0/6.0 Class-ID: EC000104
ETIM 5.0/6.0 Class-Description: Control cable

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

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

- 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

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

Article number	Number of cores and mm ² per conductor	Standard length (m) and standard packaging					Outer diameter [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	2 X0,5		100	200		500	1000	4.8	9.6	35
10030099	3 G0,5		100	200		500	1000	5.1	14.4	42
17530099	3 X0,5		100	200		500	1000	5.1	14.4	42
10040099	4 G0,5		100	200		500	1000	5.7	19.2	54
17540099	4 X0,5		100	200		500	1000	5.7	19.2	54
10050099	5 G0,5		100	200		500	1000	6.2	24	63
10070099	7 G0,5	50	100	200		500	1000	6.7	33.6	81
18020099	2 X0,75		100	200		500	1000	5.4	14.4	45
11030099	3 G0,75		100	200		500	1000	5.7	21.6	55
18030099	3 X0,75		100	200		500	1000	5.7	21.6	55
11040099	4 G0,75		100	200		500	1000	6.2	28.8	66
18040099	4 X0,75		100	200		500	1000	6.2	28.8	66
11050099	5 G0,75	50	100	200		500	1000	6.7	36	79
11070099	7 G0,75	50	100	200		500	1000	7.3	50	101
18520099	2 X1,0		100	200		500	1000	5.7	19.2	53
12030099	3 G1,0		100	200		500	1000	6.0	28.8	65
12040099	4 G1,0	50	100	200		500	1000	6.5	38.4	79
12050099	5 G1,0	50	100	200		500	1000	7.1	48	94
12070099	7 G1,0	50	100	200		500	1000	8.0	67	126
19020099	2 X1,5		100	200		500	1000	6.3	29	68
13030099	3 G1,5	50	100	200		500	1000	6.7	43	84
13040099	4 G1,5	50	100	200		500	1000	7.2	58	104
13050099	5 G1,5	50	100	200		500	1000	8.1	72	128
13070099	7 G1,5	50	100		200	500	1000	8.9	101	166
19520099	2 X2,5	50	100	200		500	1000	7.5	48	101
14030099	3 G2,5	50	100	200		500	1000	8.1	72	132
14040099	4 G2,5	50	100		200	500	1000	8.9	96	163
14050099	5 G2,5	50	100		200	500	1000	10.0	120	200
14070099	7 G2,5	50	100		200	500	1000	11.1	168	267

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

- Similar products**
- ÖLFLEX® CLASSIC 110 refer to page 35
 - ÖLFLEX® CLASSIC 110 BK refer to page 38

- Accessories**
- EPIC® Industrial connectors refer to page
 - SKINTOP® ST-M refer to page 684
 - SKINTOP® ST-M Small PU