


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® SMART 108	29.11.2013

Cost-effective VDE-registered PVC control cable

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



Good chemical resistance

Info

VDE certificate of conformity with factory surveillance

Only available in standard lengths and standard packagings

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

Design

Fine-wire strand made of bare copper wires

PVC insulation, TI2

Two-layer PVC outer sheath, TM2; outside silvergrey

Norm references / Approvals

VDE reg. no. 8639

Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

Oil resistance: see data sheet

Remark


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.

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Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
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:	U ₀ /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

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
17520099	2 X0,5	4,8	9.6	35
10030099	3 G0,5	5,1	14.4	42
17530099	3 X0,5	5,1	14.4	42
10040099	4 G0,5	5,7	19.2	54
17540099	4 X0,5	5,7	19.2	54
10050099	5 G0,5	6,2	24.0	63
10070099	7 G0,5	6,7	33.6	81
18020099	2 X0,75	5,4	14.4	45
11030099	3 G0,75	5,7	21.6	55
18030099	3 X0,75	5,7	21.6	55
11040099	4 G0,75	6,2	28.8	66
18040099	4 X0,75	6,2	28.8	66
11050099	5 G0,75	6,7	36.0	79
11070099	7 G0,75	7,3	50.0	101
18520099	2 X1,0	5,7	19.2	53
12030099	3 G1,0	6,0	28.8	65
12040099	4 G1,0	6,5	38.4	79
12050099	5 G1,0	7,1	48.0	94
12070099	7 G1,0	8,0	67.0	126
19020099	2 X1,5	6,3	29.0	68
13030099	3 G1,5	6,7	43.0	84
13040099	4 G1,5	7,2	58.0	104
13050099	5 G1,5	8,1	72.0	128
13070099	7 G1,5	8,9	101.0	166
19520099	2 X2,5	7,5	48.0	101
14030099	3 G2,5	8,1	72.0	132
14040099	4 G2,5	8,9	96.0	163
14050099	5 G2,5	10,0	120.0	200
14070099	7 G2,5	11,1	168.0	267

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