

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CLASSIC 110 ORANGE	29.11.2013

Space-saving installation due to small cable diameters
High electrical performance due to 4 kV test voltage



Good chemical resistance



Torsion-resistant

Info

For warning purposes and for exempted circuits according to EN 60204-1, e.g. circuits for maintenance or interlocking circuits

Application range

According to EN 60204-1 (VDE 0113-1), conductors of control circuits that are supplied by an external power source and/or remain live when the main switch is deactivated must be orange

Electrical lighting and socket circuits for maintenance or repair purposes

Undervoltage protection circuits

Interlocking control circuits

Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

Design

Fine-wire strand made of bare copper wires

PVC insulation LAPP P8/1

Orange cores with black numbers

PVC outer sheath, orange (RAL 2003)

Norm references / Approvals

Based on IEC 60227-5 and EN 50525-2-51

Product features

Flame-retardant according IEC 60332-1-2

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.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs are not to scale and do not represent detailed images of the respective products.

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Technical Data

Core identification code:	Orange cores with black numbers
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 VDE 0295, class 5/IEC 60228 class 5
Torsion movement in WTG:	TW-0 & TW-1, refer to Appendix T0
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)
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0019700	2 X1,0	5,7	19.2	53
0019701	3 G1,0	6.0	28.8	65
0019702	3 X1,0	6.0	28.8	65
0019706	4 G1,0	6,5	38.4	80
0019708	4 X1,0	6,5	38.4	80
0019709	5 G1,0	7,1	50.0	95
0019710	2 X1,5	6,3	29.0	68
0019711	3 G1,5	6,7	43.0	85
0019718	4 G1,5	7,2	58.0	105
0019720	5 G1,5	8,1	72.0	128