

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® TRAF0 XLv 1.8/3 kV	12.09.2012

Flexible and mechanically robust single-core connection cables
Reinforced outer sheath gives enhanced protection against mechanical stress
Wide temperature range for applications in harsh climatic environments
Reduction of flame propagation as well as of toxic combustion gases in the event of fire
For outdoor use, and if the general installation guidelines are followed, this is also suitable for direct burial
Flexible and fine-wired conductor design enables easy on-site installation



Info

Voltage rating 1.8/3 kV
Suitable for direct burial
Halogen-free and flame-retardant

Application range

Applications with voltage rating 1.8/3 kV
In the field of renewable energy and conventional power generation
Photovoltaic plants and solar parks
Drip-loop installation in wind turbines
As connection between the converter and the transformer substation

Design

Conductor: fine-wire tinned-copper strands
Core insulation: cross-linked polyolefin
Outer sheath: cross-linked copolymer
Core insulation and outer sheath are extruded together
Outer sheath colour: black

Approvals (Norm references)

Weather/UV-resistant acc. to HD 605/A1
Flame-retardant according to IEC 60332-1-2
Halogen-free according to IEC 60754-1
Ozone-resistant according to EN 50396
Direct burial according to UL 1277

Product features

Good weather, abrasion, temperature and UV-resistance
Good heat pressure resistance
Halogen-free and flame-retardant
Torsion-tested for wind turbines

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 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: Drum

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

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Technical Data

Core identification code:	Colour: black (RAL 9005)
Fire test:	Flame-retardant according to IEC 60332-1-2
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 5 x outer diameter
Nominal voltage:	U ₀ /U: 1.8/3 kV
Test voltage:	AC 6500 V
Temperature range:	Flexing: -40 °C to +90 °C Fixed installation: -40 °C to +90 °C

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ÖLFLEX® TRAFOLV 1.8/3 KV

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Part number	Conductor cross-section (mm ²)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® TRAFOLV 1.8/3 KV				
1151010	95	22.1	912.0	1218
1151011	120	24.4	1152.0	1496
1151012	150	25.9	1440.0	1810
1151013	185	28.2	1776.0	2184
1151014	240	30.3	2304.0	2757
1151015	300	34.0	2880.0	3407