


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® TRAFFIC 3GKW flex</b>	12.09.2012

Multi-core cable for more demanding requirements in railway applications  
High flexibility and slim diameters enable small bending radii for fixed installation  
Easy to strip and dismantle  
Resistant to mechanical influences in harsh environmental conditions  
Extended temperature range  
Reduced formation of toxic gases and fire spreading in the event of fire increase the protection against damage to persons and property

LAPP KABEL STÜTTGART ÖLFLEX® TRAFFIC 3GKW flex CE



### Info

Meets the highest fire-protection requirements

### Application range

For fixed and protected installations inside or outside of railway vehicles and buses  
Suitable for connecting to fixed and moving objects such as lamps, heating equipment, electrical equipment, vehicle wiring, terminal boxes and power supplies

### Design

Tinned-copper strand, fine-wire  
Electron beam cross-linked polyolefin copolymer insulation  
Colour of core insulation: white with black printed numbers  
Outer sheath: electron beam cross-linked polyolefin copolymer  
Outer sheath colour: black

### Product features

Fire behaviour: - Halogen-free (IEC 60754-1) - No corrosive gases (IEC 60754-2) - No toxic gases (EN 50305) - Low smoke density (IEC 61034) - Flame-retardant (IEC 60332-1-2) - No fire propagation (IEC 60332-3-24) - Low fire load (DIN 51900)  
Chemical properties: - Oil and fuel resistance (EN 50305) - Ozone resistance (EN 50305) - No fluorine (EN 60684-2)

### 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 Appendix T17 for the definition and calculation of copper-related surcharges.


Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://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**

Conductor stranding:	Fine wire according to VDE 0295, class 5 (SRC = Special Round Conductor)
Minimum bending radius:	< 10 mm fixed installation > 3 x D Occasional movement > 5 x D > 10 mm fixed installation > 4 x D Occasional movement > 6 x D
Nominal voltage:	U <sub>0</sub> /U AC 0.6/1 kV U <sub>0</sub> /U DC 0.9/1.5 kV
Test voltage:	4 kV
Temperature range:	Fixed installation: -45°C to +120°C Occasional flexing: -35°C to +90°C Short circuit: +200°C

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## ÖLFLEX® TRAFFIC 3GKW flex

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Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	Fire load (kWh/m)
ÖLFLEX® TRAFFIC 3GKW flex					
4223395	2 X 0,5	5,5	9.6	40	0.13
4223396	3 X 0,5	5,7	14.4	50	0.13
4223397	4 X 0,5	6,3	19.2	62	0.16
4223398	5 X 0,5	6,9	24.0	74	0.19
4223399	7 X 0,5	8,2	33.6	102	0.25
4224460	10 X 0,5	9,3	48.0	125	0.286
4223400	2 X 0,75	6.0	14.4	49	0.15
4223401	3 X 0,75	6,2	21.6	63	0.15
4223402	4 X 0,75	6,9	28.8	78	0.18
4223403	5 X 0,75	7,7	36.0	97	0.22
4223404	7 X 0,75	9,1	50.4	131	0.29
4223405	2 X 1,0	6,4	19.2	60	0.15
4223406	3 X 1,0	6,8	28.8	78	0.18
4223407	4 X 1,0	7,4	38.4	95	0.21
4223408	5 X 1,0	8,3	48.0	119	0.26
4223409	7 X 1,0	9,9	67.2	163	0.35
4223410	2 X 1,5	7,1	28.8	75	0.22
4223411	3 X 1,5	7,4	43.2	96	0.21
4223412	3 G 1,5	7,4	43.2	96	0.21
4223413	4 X 1,5	8,3	57.6	120	0.25
4223414	4 G 1,5	8,3	57.6	120	0.25
4223415	5 X 1,5	9,1	72.0	146	0.31
4223416	7 X 1,5	11,1	108.0	207	0.41
4224512	12 X 1,5	13,4	172.8	305	0.54
4223417	2 X 2,5	8,5	48.0	115	0.24
4223418	3 X 2,5	8,9	72.0	149	0.28
4223419	3 G 2,5	8,9	72.0	149	0.28
4223420	4 X 2,5	9,9	96.0	183	0.35
4223421	4 G 2,5	9,9	96.0	183	0.35



Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)	Fire load (kWh/m)
4223422	5 X 2,5	11,1	120.0	235	0.43
4223423	7 X 2,5	13.0	168.0	309	0.56
4223425	3 X 4	10,2	115.0	210	0.36
4223426	3 G 4	10,2	115.0	210	0.36
4223427	4 X 4	11,3	154.0	266	0.43
4223428	5 X 4	12,6	192.0	330	0.53