

Single core energy cable for increased voltage ratings

Product Description

High electrical strength and mechanical durability due to dual-layer cable construction; High flexibility and slim diameters enable small bending radii at fixed installation; Resistant to mechanical influences in harsh environmental conditions; Excellent chemical resistance and high flammability rating as well; Reduced formation of toxic gases and fire spreading in the event of fire increase the protection against damage to persons and property

LAPP KABEL STUTTGART ÖLFLEX® TRAFFIC 4GKW-AX plus



Application range

- For fixed and protected installations inside or outside of railed vehicles and busses
- For connection of stationary and moving parts
- Suitable for cabling of switchboards, converters, panel units and rheostatic braking blocks

Benefits

- High electrical strength and mechanical durability due to dual-layer cable construction
- High flexibility and slim diameters enable small bending radii at fixed installation
- Resistant to mechanical influences in harsh environmental conditions
- Excellent chemical resistance and high flammability rating as well
- Reduced formation of toxic gases and fire spreading in the event of fire increase the protection against damage to persons and property

Design

- Tinned copper strand, fine wired
- Insulation: cross-linked polyolefin copolymer
- Outer sheath: electron beam cross-linked elastomer
- 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 spreading (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)



Technical Data

Conductor stranding

Fine wired according VDE 0295, Class 5 (SRC = Special Round Conductor)

Minimum bending radius

< 10 mm fixed installation > 5 x D Occasional movement > 7 x D

> 10 mm fixed installation > 6 x D Occasional movement > 8 x D

Rated voltage

U0/U AC 1.8/3 kV

U0DC 2,7 kV

Test voltage

6.5 kV AC

Range of temperature

Fixed installation: -60°C up to +120°C

Occasional flexing: -35 °C up to +90 °C Short circuit: +200° C

Article List

Part number	Outer diameter in mm	Conductor cross section in mm ²	Copper index kg/km	Weight kg/km	Fire load in kWh/m
ÖLFLEX® TRAFFIC 4GKW-AXplus					
4222082	3,3	1,5	14.4	24	0.04
4222083	3,7	2,5	24.0	34	0.04
4222084	4,5	4	38.4	53	0.06
4222085	5.0	6	57.6	74	0.08
4222086	6,1	10	96.0	118	0.1
4222087	8,3	16	154.0	182	0.17
4222088	10.0	25	240.0	274	0.25
4222089	11,4	35	336.0	379	0.31
4222090	13,6	50	480.0	536	0.39
4222091	15,6	70	672.0	729	0.45
4222092	17,3	95	912.0	960	0.56
4222093	19,6	120	1152.0	1203	0.71
4222094	21,9	150	1440.0	1464	0.8
4222095	23,8	185	1776.0	1802	0.93
4222096	26,8	240	2304.0	2348	1.16

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.



Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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

Packaging size: Coil \leq 30 kg and \leq 250 m, otherwise drum

Please specify the desired packaging size (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.