Electron beam cross-linked cables for increased application requirements

Product Description

Safety in areas with high personnel concentration;Reduction of flame propagation and density and toxicity of smoke gases in event of fire;Minimizes damage to buildings and equipment caused by the formation of toxic acid fumes in fires;Certified for maritime application

Application range

- Suitable for wiring respectively connection of lighting, heating appliances, switch gear cabinets and distributors in mechanical engineering and plant construction
- For use in traffic regulation systems as well as outdoors

Benefits

- Safety in areas with high personnel concentration
- Reduction of flame propagation and density and toxicity of smoke gases in event of fire
- Minimizes damage to buildings and equipment caused by the formation of toxic acid fumes in fires
- Certified for maritime application

Design

- Fine strands of tinned copper wires
- Electron beam cross-linked polyolefin copolymer insulation
- Cores twisted in layers
- Outher sheath: Electron beam cross-linked polyolefin copolymer, colour black

Product features

- Halogen-free according to IEC 60754-1 Flame retardant according to IEC 60332-1-2 No flame propagation according to IEC 60332.3
- Good moisture, ozone- and UV resistance
- Abrasion and notch resistant

Technical Data

Core identification code
Up to 5 cores: according to VDE 0293-308 (appendix T9)
Starting at 7 cores: Black with white numbers (with gn/ye)
Approvals
GL (Germanischer Lloyd)
Specific insulation resistance
>2 TOhm x cm
Conductor stranding
Fine wire according to VDE 0295, Class 5 / IEC 60228 Cl. 5 from 0.5 mm²
Minimum bending radius
Occasional flexing: 15 x cable diameter
Fixed installation: 4 x cable diameter

Rated voltage
Up to 1.0mm² U0/U 300/500 V From 1.5mm² U0/U 450/750 V
0.6/1kV from 1.5mm² with fixed and protected installation
Test voltage
3500 V
Protective conductor
G = with protective conductor GN/YE
X = without protective conductor
Range of temperature
Fixed installation: -55°C up to +125°C Temporary: up to +145°C

Article List

Part number	Number of cores and mm² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 145 MC 300/500 V				
0026805	2 X 0,75	5,9	14.4	40
0026806	3 G 0,75	6,2	21.6	53
00268073	4 G 0,75	6,9	28.8	69
00268083	5 G 0,75	7,7	36.0	86
0026815	2 X 1	6,3	19.2	50
0026816	3 G 1	6,8	28.8	67
00268173	4 G 1	7,4	38.4	87
00268183	5 G 1	8,3	48.0	107
0026819	7 G 1	9,9	67.2	152
ÖLFLEX® HEAT 145 MC 450/750 V				
0026825	2 X 1,5	7,6	28.8	71
0026826	3 G 1,5	8,1	43.2	96
00268273	4 G 1,5	8,8	57.6	123
00268293	5 G 1,5	9,8	72.0	156
0026830	7 G 1,5	12.0	101.0	224

0026831	10 G 1,5	14,6	144.0	322
0026832	12 G 1,5	14,6	173.0	316
0026833	16 G 1,5	16,2	230.0	415
0026837	25 G 1,5	21,1	360.0	731
0026838	2 X 2,5	9.0	48.0	102
0026839	3 G 2,5	9,8	72.0	145
00268403	4 G 2,5	10,8	96.0	189
00268413	5 G 2,5	12.0	120.0	235
0026842	7 G 2,5	14,6	168.0	344
00268503	4 G 4	12,2	153.6	276
00268513	5 G 4	13,5	192.0	334
00268563	5 G 6	15,4	288.0	494

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 ≤ 30 kg and ≤ 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.