

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; Copper braiding assures EMC and screens against electromagnetic interference



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
- Copper braiding assures EMC and screens against electromagnetic interference

Design

- Fine strands of tinned copper wires
- Electron beam cross-linked polyolefin copolymer insulation
- Cores twisted in layers
- Tinned copper screen braid
- Outer 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

Black with white numbers (without 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: 5 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

C/C 3500 V C/S 2500 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 mm ² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 145 C MC screened 300/500 V				
0026908	2 X 0,75	6,9	38.0	79
0026909	3 X 0,75	6,9	50.0	96
0026910	4 X 0,75	7,6	58.0	116
0026911	5 X 0,75	8,3	70.0	139
0026912	7 X 0,75	9,9	84.9	186
0026916	2 X 1	7.0	43.3	90
0026917	3 X 1	7,4	56.0	104
0026918	4 X 1	8,1	66.0	129
0026919	5 X 1	8,9	95.0	153
0026920	7 X 1	10,5	109.0	211
ÖLFLEX® HEAT 145 C MC screened 450/750 V				
0026924	2 X 1,5	8,2	58.0	114
0026925	3 X 1,5	8,7	71.0	132
0026926	4 X 1,5	9,4	86.0	163
0026927	5 X 1,5	10,5	104.0	200
0026928	7 X 1,5	12,6	136.0	273
0026932	2 X 2,5	9,8	96.0	157
0026933	3 X 2,5	10,4	146.0	198



0026934	4 X 2,5	11,5	150.0	236
0026935	5 X 2,5	12,6	200.0	287
0026938	4 X 4	12,8	220.0	317
0026939	5 X 4	14,3	259.0	376

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.