ÖLFLEX® HEAT 145 C MC*

Electron beam cross-linked cables for more demanding application requirements

For safety in areas with high density of people; Reduction of flame propagation, density and toxicity of smoke gases in event of fire; Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires; Certified for maritime applications; Copper braiding screens the cable against electromagnetic interference

- Improved characteristics in the event of a fire
- Screened to comply with EMC
- Please note: Discontinued product!

Product description

Application range

- For the wiring and connection of lighting, heating appliances, control cabinets, and distributors in mechanical and plant engineering
- For use in traffic regulation systems and outdoors

Benefits

- For safety in areas with high density of people
- Reduction of flame propagation, density and toxicity of smoke gases in event of fire
- Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires
- Certified for maritime applications

- Copper braiding screens the cable against electromagnetic interference

Product Make-up

- Fine-wire, tinned-copper conductor
- Electron beam cross-linked polyolefin copolymer insulation
- Cores twisted in layers
- Tinned-copper braiding
- Outer sheath: electron beam cross-linked polyolefin copolymer, black

Norm references / Approvals

- GL - Germanischer Lloyd approved

Product features

- Halogen-free according to IEC 60754-1
- Flame-retardant according IEC 60332-1-2
- No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
- Low smoke density according to IEC 61034-2
- Good weather and UV-resistance

Technical Data

Core identification code	Black with white numbers (without gn/ye)
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm²
Minimum bending radius	Occasional flexing: 15 x outer diameter Fixed installation: 5 x outer diameter
Nominal voltage	Up to 1.0mm² U_0/U 300/500 V From 1.5mm² U_0/U 450/750 V 0.6/1kV from 1.5 mm² in the case of fixed and protected installation
Test voltage	C/C 3500 V C/S 2500 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -35 °C to +120 °C Fixed installation: -55 °C to +125 °C Short-term: up to +145 °C