ÖLFLEX® CLASSIC 110 H

Halogen-free control cable, oil resistant and very flexible

Easy handling and installation due to very flexible cable type; Wide application range due to excellent product features

- High flexibility and oil-resistance
- VDE-certified
- UV and weather-resistant according to ISO 4892-2

Product description

Application range

- Public buildings like airports or railway stations
- Plant engineering
  Industrial machinery
  Heating and air-conditioning systems
  Stage applications
- Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
- Note: for the use of AWM (Appliance Wiring Material) cables in industrial machinery (USA) according to NFPA 79 Ed. 2012: please see the catalogue appendix table T29

Benefits

- Easy handling and installation due to very flexible cable type
- Wide application range due to excellent product features

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Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Halogen-free
- Outer sheath made of special halogen-free compound, grey (RAL 7001)

Norm references / Approvals

- UL AWM style 21089 is introduced into the serial manufacturing and step by step into the stock
- Based on EN 50525-2-11
- Based on EN 50525-2-51

Product features

- Flame-retardant according to IEC 60332-1-2
  (flame spread on a single cable)
- No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
- Halogen-free according to IEC 60754-1
  (amount of halogen acid gas)
  Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Low smoke density according to IEC 61034-2
- Oil-resistant according to EN 60811-404
  and UL OIL RES I and UL OIL RES II
- UV and weather-resistant according to ISO 4892-2
- Ozone-resistant according to EN 50396

Technical Data

Core identification code	Black with white numbers acc. to VDE 0293-1
Classification	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius	Occasional flexing: 10 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage	U_0/U: 300/500 V UL: 600 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: -30°C to +70°C (UL: +75°C) Fixed installation: -40°C to +80°C (UL: +75°C)