ÖLFLEX® 191 CY

Screened and oil-resistant multi-standard cable with AWM approval

High electrical performance due to 4 kV test voltage; Multifunctional application possibilities

- Conductor cross-section up to 120 mm²
- Oil-resistant according to EN 50363-4-1: TM5
- Missing dimensions: See ÖLFLEX® 150 CY

Product description

Application range

- Plant engineering
  Industrial machinery
  Heating and air-conditioning systems
- In EMC-sensitive environments
  (electromagnetic compatibility)
- Mainly used in dry, damp and wet interiors (including water-oil mixtures), but not for outdoor use
- For fixed installation under medium mechanical load conditions, and applications with occasional flexing at free, non-continuously recurring movement without tensile load or compulsory guidance
- 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

- High electrical performance due to 4 kV test voltage
- Multifunctional application possibilities

Product Make-up

- Fine-wire strand made of bare copper wires
- PVC core insulation
- PVC inner sheath, grey
- Tinned-copper braiding
- PVC outer sheath, high oil-resistance, grey (RAL 7001)

Norm references / Approvals

- UL AWM Style 21098 or 2587
  CSA AWM I A/B II A/B
- Multi-standard cables have conductor strands with nominal sizes in mm² or AWG/kcmil. The master size is mentioned in the table below, while the equivalent size of the other system can be found in the Appendix T16 of this catalogue. For this related secondary size the cross-section of the conductor mostly works out to be greater than the
  specified nominal value.

Product features

- Flame-retardant according to IEC 60332-1-2
  and UL 1581 §1061 Cable Flame Test
- Oil-resistant according to EN 50363-4-1: TM5
- High degree of screening
  low transfer impedance
  (max. 250 ?/km at 30 MHz)

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: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage	HAR U_0/U: 300/500 V UL/CSA: 600 V
Test voltage	4000 V
Protective conductor	G = with GN-YE protective conductor X = without protective conductor
Temperature range	Occasional flexing: HAR: -5°C to +70°C UL/CSA: -5°C to +90°C Fixed installation: HAR: -40°C to +70°C UL/CSA: -40°C to +90°C