



#### Screened and oil-resistant multi-standard cable with H05VVC4V5-K and AWM approval

Wide application range due to multiple approvals

- Oil-resistant according to EN 50363-4-1: TM5
- Harmonised (HAR): H05VVC4V5-K and UL recognized
- EMC-compliant

















# **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**

## ÖLFLEX® 150 CY



• Wide application range due to multiple approvals

### **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

- H05VVC4V5-K (EN 50525-2-51)
- 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

Classification

Conductor stranding

Minimum bending radius

Nominal voltage

Test voltage

Protective conductor

Temperature range

Black with white numbers acc. to VDE 0293-1

ETIM 5.0 Class-ID: EC000104

ETIM 5.0 Class-Description: Control cable

Fine wire according to VDE 0295,

class 5/IEC 60228 class 5

Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter

HAR U<sub>0</sub>/U: 300/500 V

UL/CSA: 600 V

3000 V

G = with GN-YE protective conductor X = without protective conductor

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