



ÖLFLEX® 150 CY

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

Info

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



Benefits

- Wide application range due to multiple approvals

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

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 Ω/km at 30 MHz)

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 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)

Technical data

- Classification**
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable
- Core identification code**
Black with white numbers acc. to VDE 0293-1
- Specific insulation resistance**
> 20 GOhm x cm
- 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 U₀/U: 300/500 V
UL/CSA: 600 V
- Test voltage**
3000 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

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 150 CY				
0015602	2 X 0.75	8.5	40.0	109
0015603	3 G 0.75	8.9	51.0	125
0015604	4 G 0.75	9.6	70.0	157
0015605	5 G 0.75	10.3	77.0	180
0015607	7 G 0.75	12.3	93.0	226
0015612	12 G 0.75	14.8	155.0	325
0015702	2 X 1.0	8.8	46.4	121
0015703	3 G 1.0	9.4	76.0	145
0015704	4 G 1.0	10.0	80.0	180
0015705	5 G 1.0	11.0	95.0	203
0015707	7 G 1.0	13.0	118.0	273
0015712	12 G 1.0	15.6	195.0	425
0015802	2 X 1.5	10.0	59.2	151
0015803	3 G 1.5	10.5	84.0	159
0015804	4 G 1.5	11.4	94.8	211
0015805	5 G 1.5	12.7	122.0	241
0015807	7 G 1.5	15.1	143.0	306
0015812	12 G 1.5	17.8	254.0	480
0015903	3 G 2.5	11.9	120.0	245
0015904	4 G 2.5	13.2	170.0	295
0015905	5 G 2.5	14.7	205.0	365
0015907	7 G 2.5	17.5	241.0	480

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 600 m drum or 8 x 75 m coils).
Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® 140 CY* refer to page 45
- ÖLFLEX® 191 CY refer to page 49

Accessories

- SKINTOP® MS-SC-M refer to page 674
- SKINTOP® MS-M BRUSH refer to page 675