

## ÖLFLEX® 150 CY

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

ÖLFLEX® 150 CY - H05VVC4V5-K harmonised PVC control cable with UL/CSA AWM, oil-resistant, screened and flexible for various applications,  $U_0/U$ : 300/500 V

### Info

Oil-resistant according to EN 50363-4-1: TM5

Harmonised (HAR): H05VVC4V5-K and UL recognized

EMC-compliant



Interference signals



Oil-resistant



Good chemical resistance

### Benefits

Wide application range due to multiple certifications

## ÖLFLEX® 150 CY

### 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. 2015: 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

CSA AWM I A/B II A/B

Multi-standard cables have conductor strands with nominal sizes in mm<sup>2</sup> 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

Cores twisted in layers

PVC inner sheath, grey

Tinned-copper braiding

PVC outer sheath, high oil-resistance, grey (similar to RAL 7001)

## ÖLFLEX® 150 CY

### 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
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: +90°C Fixed installation: HAR: -40°C to +70°C UL/CSA: +90°C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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](http://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.

Prices are net prices without VAT and surcharges. Sale to business customers only.

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® 150 CY			
0015602	2 X 0.75	8.5	40
0015603	3 G 0.75	8.9	51
0015604	4 G 0.75	9.6	70
0015605	5 G 0.75	10.3	77
0015607	7 G 0.75	12.3	93
0015612	12 G 0.75	14.8	155
0015702	2 X 1	8.8	46.4
0015703	3 G 1	9.4	76
0015704	4 G 1	10	80
0015705	5 G 1	11	95
0015707	7 G 1	13	118
0015712	12 G 1	15.6	195
0015802	2 X 1.5	10	59.2
0015803	3 G 1.5	10.5	84
0015804	4 G 1.5	11.4	94.8
0015805	5 G 1.5	12.7	122
0015807	7 G 1.5	15.1	143
0015812	12 G 1.5	17.8	254
0015903	3 G 2.5	11.9	120
0015904	4 G 2.5	13.2	170
0015905	5 G 2.5	14.7	205
0015907	7 G 2.5	17.5	241

Last Update (21.09.2017)  
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 Product Management [www.lappkabel.de](http://www.lappkabel.de)  
 You can find the current technical data in the corresponding data sheet.  
 PN 0456 / 02\_03\_16

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