



**Info**

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

**ÖLFLEX® 140 CY\***  
H05VVC4V5-K (EN 50525-2-51)



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

**Test voltage**  
3000 V

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

**Temperature range**  
Occasional flexing: -5°C to +70°C  
Fixed installation: -40°C to +70°C

- Benefits**
- High acceptance in Europe due to Harmonisation
- Application range**
- Plant engineering  
Industrial machinery  
Heating and air-conditioning systems
  - Machine tools
  - 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
  - In EMC-sensitive environments (electromagnetic compatibility)

- Product features**
- Flame-retardant according IEC 60332-1-2
  - 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**
- EN 50525-2-51
- 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)

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® 140 CY H05VVC4V5-K</b>				
0035700	3 G 0.5	8.0 - 10.0	47.0	111.3
0035701	4 G 0.5	8.5 - 10.7	58.0	132.7
0035702	5 G 0.5	9.3 - 11.6	69.0	162.7
0035703	7 G 0.5	10.8 - 13.5	86.0	207.7
0035704	12 G 0.5	13.1 - 16.2	142.0	295
0035710	3 G 0.75	8.3 - 10.4	55.0	129.4
0035711	4 G 0.75	9.1 - 11.3	67.0	163.6
0035712	5 G 0.75	9.7 - 12.1	77.4	188.6
0035713	7 G 0.75	11.5 - 14.3	109.0	246.9
0035714	12 G 0.75	13.8 - 17.1	166.0	354.3
0035715	18 G 0.75	16.1 - 19.8	257.3	517
0035716	25 G 0.75	18.7 - 23.0	318.6	677.8
0035717	34 G 0.75	21.4 - 26.2	409.4	860.6
0035720	3 G 1.0	8.8 - 11.0	62.0	144.8
0035721	4 G 1.0	9.4 - 11.7	78.3	180.8
0035722	5 G 1.0	10.3 - 12.8	91.0	209
0035723	7 G 1.0	12.2 - 15.1	118.0	273
0035724	12 G 1.0	14.5 - 17.9	198.0	427.6
0035725	18 G 1.0	16.9 - 20.8	303.6	598.6
0035726	25 G 1.0	19.8 - 24.2	411.9	791.8
0035727	34 G 1.0	22.6 - 27.7	516.3	1003.9
0035730	3 G 1.5	9.7 - 12.1	83.0	189.7
0035731	4 G 1.5	10.7 - 13.2	97.8	221.6
0035732	5 G 1.5	11.8 - 14.7	118.0	261.8
0035733	7 G 1.5	14.1 - 17.4	218.0	356.7
0035734	12 G 1.5	16.7 - 20.6	309.7	559.4
0035735	18 G 1.5	19.5 - 24.0	411.4	767.6
0035736	25 G 1.5	22.9 - 28.0	546.5	1049
0035740	3 G 2.5	11.3 - 14.0	115.0	241.5
0035741	4 G 2.5	12.6 - 15.5	163.0	298.3
0035742	5 G 2.5	13.9 - 17.2	191.0	363.7
0035743	7 G 2.5	16.5 - 20.3	288.9	487.2
0035744	12 G 2.5	19.8 - 24.3	516.6	743.6

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](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 500 m drum or 5 x 100 m coils).

\* Trade product, no Lapp product

Photographs are not to scale and do not represent detailed images of the respective products.

- Similar products**
- ÖLFLEX® 150 CY refer to page 47

- Accessories**
- KMK Marking labels refer to page 899
  - SKINTOP® MS-SC-M refer to page 674
  - SKINTOP® MS-M BRUSH refer to page 675