



ÖLFLEX® 140*

H05VV5-F (EN 50525-2-51)



Info

- Oil-resistant according to EN 50363-4-1: TM5
- Harmonised (HAR): H05VV5-F

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

Product features

- Flame-retardant according IEC 60332-1-2
- Oil-resistant according to EN 50363-4-1: TM5

Norm references / Approvals

- EN 50525-2-51

Product make-up

- Fine-wire strand made of bare copper wires
- PVC core insulation
- 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: 12.5 x outer diameter
Fixed installation: 4 x outer diameter

Nominal voltage
U₀/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

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 140 H05VV5-F				
0011000	3 G 0.5	5.5 - 7.0	14.4	62.4
0011104	4 G 0.5	6.2 - 7.9	19.2	68.2
0011001	5 G 0.5	6.8 - 8.6	24.0	87.1
0011002	7 G 0.5	8.3 - 10.4	33.6	118.7
0011003	12 G 0.5	10.4 - 12.9	58.0	198
0011004	18 G 0.5	12.3 - 15.3	86.4	266.9
0011005	25 G 0.5	14.8 - 18.3	120.0	380.4
0011006	34 G 0.5	17.2 - 21.2	163.2	509
0011009	3 G 0.75	6.0 - 7.6	21.6	75.6
0011204	4 G 0.75	6.6 - 8.3	28.8	83.9
0011010	5 G 0.75	7.4 - 9.3	36.0	113.3
0011011	7 G 0.75	9.0 - 11.3	50.0	145
0011012	12 G 0.75	11.0 - 13.7	86.0	244.9
0011013	18 G 0.75	13.2 - 16.4	130.0	327.7
0011014	25 G 0.75	15.8 - 19.5	180.0	466.4
0011015	34 G 0.75	18.4 - 22.6	245.0	626.5
0011241	41 G 0.75	20.1 - 24.7	296.0	748
0011018	3 G 1.0	6.3 - 8.0	28.8	89.3
0011304	4 G 1.0	6.9 - 8.7	38.4	98.6
0011019	5 G 1.0	7.8 - 9.8	48.0	132.1
0011020	7 G 1.0	9.5 - 11.8	67.0	169.3

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0011021	12 G 1.0	11.8 - 14.6	115.0	285.9
0011022	18 G 1.0	14.0 - 17.2	173.0	405.2
0011023	25 G 1.0	16.8 - 20.7	240.0	569.5
0011024	34 G 1.0	19.6 - 24.0	326.0	741.7
0011341	41 G 1.0	21.4 - 26.2	394.0	886
0011027	3 G 1.5	7.4 - 9.4	43.0	109.8
0011404	4 G 1.5	8.2 - 10.2	58.0	140.7
0011028	5 G 1.5	9.1 - 11.4	72.0	175
0011029	7 G 1.5	11.3 - 14.1	101.0	224.2
0011030	12 G 1.5	13.8 - 17.0	173.0	361.7
0011031	18 G 1.5	16.5 - 20.3	259.0	518.3
0011032	25 G 1.5	19.8 - 24.3	360.0	729.9
0011033	34 G 1.5	23.1 - 28.2	490.0	946.6
0011036	3 G 2.5	9.0 - 11.2	72.0	162.4
0011504	4 G 2.5	10.1 - 12.5	96.0	203.3
0011037	5 G 2.5	11.0 - 13.7	120.0	251.1
0011038	7 G 2.5	13.6 - 16.8	168.0	326
0011039	12 G 2.5	16.8 - 20.6	288.0	553.3
0011045	14 G 2.5	18.3 - 22.7	336.0	611
0011040	18 G 2.5	20.2 - 24.8	432.0	795.2
0011041	25 G 2.5	24.2 - 29.6	600.0	1109.6

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

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 refer to page 46

Accessories

- SKINTOP® CLICK refer to page 657

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ETHERLINE®
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ACCESSORIES
APPENDIX