H05VV5-F (EN 50525-2-51)
High acceptance in Europe due to Harmonisation



CE HAR RoHS



Good chemical resistance



Oil-resistant

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

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

Design
Fine-wire strand made of bare copper wires
PVC core insulation
PVC outer sheath, high oil-resistance, grey (RAL 7001)

Norm references / Approvals
EN 50525-2-51

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

Remark
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.

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Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
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:	U_0/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

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 140 H05VV5-F				
0011000	3 G 0,5	5,5 - 7	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 - 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 - 11,3	50.0	145
0011012	12 G 0,75	11 - 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	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
0011021	12 G 1,0	11,8 - 14,6	115.0	285.9
0011022	18 G 1,0	14 - 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	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

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Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0011030	12 G 1,5	13,8 - 17	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 - 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 - 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

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