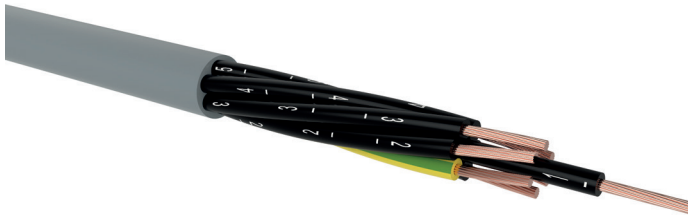


H05VV5-F

PVC control cable, oil resistant, unshielded

DESIGN



- 1 | Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
- 2 | Core insulation of special compound based on polyvinyl chloride (PVC)
- 3 | Cores are stranded in layers with optimal lay-length
- 4 | Outer sheath of special oil resistant compound based on polyvinyl chloride (PVC), colour: grey (RAL 7001)

APPLICATION

PVC control cable with increased oil resistant outer sheath for use as control and connecting cable for fixed laying and flexible applications in electrical devices, without tensile stress and/or guided movements. The cables are intended for indoor applications in dry, damp and wet rooms.

TECHNICAL DATA



Standard:
EN 50525-2-51



Rated voltage:
300/500 V (U₀/U)



Test voltage:
core / core 2000 V / 50 Hz



Temperature range:
fixed installation: -30 °C up to -70 °C
flexible use: -5 °C up to 70 °C



Bending radius (min.):
fixed installation: 3 x Ø up to 12 mm
4 x Ø over 12 mm
flexible use: 5 x Ø up to 12 mm
6 x Ø over 12 mm



Core identification:
colours according to CENELEC HD 308 S2



Fire properties:
EN 60332-1-2: self-extinguishing and flame retardant

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
H05VV5-F			
2 x 0.5	5.9	9.7	46
3 G 0.5	6.2	14.4	54
4 G 0.5	6.7	19.2	65
5 G 0.5	7.4	24.0	80
7 G 0.5	9.1	33.6	119
10 G 0.5	10.8	48.0	166
12 G 0.5	11.2	58.0	186
14 G 0.5	11.7	67.0	215
18 G 0.5	13.0	86.4	251
25 G 0.5	16.0	120.0	349
34 G 0.5	17.7	163.0	480
2 x 0.75	6.3	14.4	52
3 G 0.75	6.7	21.6	68
4 G 0.75	7.3	29.0	82
5 G 0.75	8.3	36.0	107
6 G 0.75	9.0	43.0	132
7 G 0.75	9.7	50.0	145
12 G 0.75	12.1	86.0	231
18 G 0.75	14.0	130.0	313

H05VV5-F

PVC control cable, oil resistant, unshielded

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
H05VV5-F			
25 G 0.75	17.0	180.0	461
34 G 0.75	19.1	245.0	614
2 x 1	6.6	19.2	66
3 G 1	7.0	29.0	78
4 G 1	7.6	38.4	104
5 G 1	8.7	48.0	123
7 G 1	10.2	67.0	183
12 G 1	13.0	115.0	269
14 G 1	13.3	134.0	360
18 G 1	15.0	173.0	400
25 G 1	18.0	240.0	546
34 G 1	20.6	236.0	724
2 x 1.5	7.3	28.8	77
3 G 1.5	7.9	43.0	97
4 G 1.5	8.7	58.0	128
5 G 1.5	9.6	72.0	149
6 G 1.5	10.7	86.0	196
7 G 1.5	11.8	101.0	216
12 G 1.5	14.4	173.0	324
18 G 1.5	17.2	259.0	485
25 G 1.5	21.7	360.0	671
34 G 1.5	24.1	490.0	881
2 x 2.5	9.1	48.0	110
3 G 2.5	9.6	72.0	154
4 G 2.5	10.8	96.0	212
5 G 2.5	11.6	120.0	242
7 G 2.5	14.2	168.0	350
12 G 2.5	17.7	288.0	543
18 G 2.5	21.4	432.0	787
25 G 2.5	26.1	600.0	1175
34 G 2.5	29.5	816.0	1450

Technical changes reserved. All figures are therefore without guarantee.

14.1.2022, 15:10