05VV5-F

oil resistant

TECHNICAL DATA

PVC connection cable in alignment with DIN VDE 0285-525-2-51 / DIN EN 50525-2-51

Temperature range	flexible -5°C to +70°C fixed -40°C to +70°C
Nominal voltage	AC U_0/U 300/500 V
Test voltage core/core	2000 V
Breakdown voltage	4000 V
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type TI2)
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores, G = with protective conductor GN-YE, in the outer layer, x = without protective conductor
- Cores stranded in layers with optimal lay lengths
- Outer sheath: oil-resistant special PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM5)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- resistant to: oil
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- certifications and approvals: EAC

APPLICATION

Used for flexible applications involving medium mechanical stress with free movement, without tensile stress and without forced motion control in dry, damp and wet rooms, however, not suitable for outdoor use as a connection cable in machine and machine tool construction, assembly lines, conveyers and production lines. Even various chemical compounds cannot harm the cable. As a cable suitable for damp rooms, it is also preferred for the operation of machines in breweries, bottling plants and car washes.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
13133	2 x 4	12	10.7	77.0	195.0
13134	3 G 4	12	11.3	115.0	230.0
13135	4 G 4	12	12.4	154.0	295.0
13136	5 G 4	12	13.9	192.0	361.0
13138	7 G 4	12	16.6	269.0	466.0
13141	12 G 4	12	20.8	461.0	810.0
13142	2 x 6	10	12.0	116.0	280.0
13143	3 G 6	10	12.9	173.0	358.0
13144	4 G 6	10	14.2	230.0	424.0
13145	5 G 6	10	15.9	288.0	525.0
13146	7 G 6	10	18.9	403.0	625.0
13148	3 G 10	8	16.3	288.0	540.0
13149	4 G 10	8	18.1	384.0	701.0
13150	5 G 10	8	20.3	480.0	858.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
13151	7 G 10	8	24.3	672.0	1106.0
13153	3 G 16	6	18.8	461.0	827.0
13154	4 G 16	6	20.9	614.0	1035.0
13155	5 G 16	6	23.4	768.0	1259.0
13156	7 G 16	6	28.5	1075.0	1780.0
13159	4 G 25	4	26.3	960.0	1582.0
13160	5 G 25	4	29.5	1200.0	1852.0
13161	3 G 35	2	26.5	1008.0	1614.0
13162	4 G 35	2	29.5	1344.0	2110.0
13163	5 G 35	2	32.8	1680.0	2652.0
13164	3 G 50	1	32.2	1440.0	2560.0
13165	4 G 50	1	36.1	1920.0	2972.0
13166	5 G 50	1	40.3	2400.0	3948.0