



TECHNICAL DATA

PVC connection cable, H05VV-F acc. to DIN VDE 0285-525-2-11 / DIN EN 50525-2-11; 05VV-F in alignment with DIN VDE 0285-525-2-11 / DIN EN 50525-2-11

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	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 T12)
- Core identification acc. to DIN VDE 0293-308,
2 - 5 core(s): colour coded
7 core(s): black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores,
G = with protective conductor GN-YE,
x = without protective conductor
- Cores stranded in layers with optimal lay lengths
- Outer sheath: PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM2)

- Sheath colour: see table

PROPERTIES

- 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
- certifications and approvals:
H05VV-F: HAR
EAC

APPLICATION

For medium mechanical stress for use in households and offices, including damp rooms; including household appliances such as refrigerators, hoovers and washing machines.

NOTES

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

H05VV-F

No. cores x cross-sec. mm ²	AWG, approx.	Outer-Ø min - max mm	Cu factor per km	Weight kg/km, approx.	grey	orange	black	white
					Part no.	Part no.	Part no.	Part no.
2 x 0.75	19	5.7 - 7.2	14.4	50.0	30117	30115	29450	29451
3 G 0.75	19	6.0 - 7.6	21.6	60.0	30127	30125	29452	29453
4 G 0.75	19	6.6 - 8.3	29.0	73.0	30137	30135	29454	29455
5 G 0.75	19	7.4 - 9.3	36.0	88.0	30147	30145	29456	29457
2 x 1	18	5.9 - 7.5	19.0	57.0	30157	30155	29458	29459
3 G 1	18	6.3 - 8.0	29.0	73.0	30167	30165	29460	29461
4 G 1	18	7.1 - 9.0	38.0	85.0	30177	30175	29462	29463
5 G 1	18	7.8 - 9.8	48.0	105.0	30187	30185	29464	29465
2 x 1.5	16	6.8 - 8.6	29.0	82.0	30207	30205	29484	29485
3 G 1.5	16	7.4 - 9.4	43.0	95.0	30217	30215	29468	29469
4 G 1.5	16	8.4 - 10.5	58.0	117.0	30227	30225	29470	29471
5 G 1.5	16	9.3 - 11.6	72.0	144.0	30237	30235	29472	29473
3 G 2.5	14	9.2 - 11.4	72.0	152.0	30247	30245	29478	29479
4 G 2.5	14	10.1 - 12.5	96.0	192.0	30257	30255	29480	29481
5 G 2.5	14	11.2 - 13.9	120.0	243.0	30267	30265	29482	29483
3 G 4	12	10.5 - 13.1	115.0	235.0	-	-	29825	29826
4 G 4	12	11.5 - 14.3	154.0	300.0	-	-	29488	29489
5 G 4	12	13.0 - 16.1	192.0	361.0	-	-	29490	29491

H05VV-F / 05VV-F



05VV-F

No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu factor per km	Weight kg/km, approx.	black	white
					Part no.	Part no.
7 G 1	18	9.3 - 12.0	67.0	131.0	29466	29467
7 G 1.5	16	11.0 - 14.0	101.0	183.0	29474	29475
7 G 2.5	14	13.0 - 17.0	168.0	316.0	29486	29487