H05VV-F / 05VV-F



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 TI2)
- 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

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No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu factor per km	Weight kg/km, approx.	grey Part no.	orange Part no.	black Part no.	white 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**

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No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu factor per km	Weight kg/km, approx.	black Part no.	white 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**

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