

H05VV-F 300/500V - H03VV-F 300/300V PVC Sheated Wire



Application

H05VV-F: Suitable in dry and humid locations for connections of electrical appliances submitted to medium level mechanical strength, like washing machines, refrigerators, etc. Suitable for heating appliances provided that there is no risk of contact with hot parts.

H03VV-F: Suitable in dry locations for connections of portable electrical appliances submitted to weak mechanical strength, like radio sets and lighting fittings, but not for heating devices.

Construction

Conductor material	Fine-stranded bare copper
Insulation	Polyvinylchloride (PVC)
Outer sheath	Polyvinylchloride (PVC)

Standards and Certifications

EN 50525-2-11
 HD 21.5 S3+ A1 + A2
 DIN EN 60228 class 5 (construction)
 ÖVE /ÖNORM E8241 (HD21)

This cable is VDE HAR certified



Core Identification

HD 308 S2

Technical Data

Nominal voltage H05VV-F	[V]	300 / 500V
Nominal voltage H03VV-F	[V]	300 / 300V
Test voltage	[V]AC	2000
Temperature range	in motion°C	-5°C till +70°C
Operating temperature	short circuit°C	150°C
Short circuit time	max. [sec]	5
Bending radius	in motion x diameter	5

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Fire classification CPR class

Reaction to fire EN 60332 - 1- 2 - Eca

Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
H05VV-F			
2 x 0.75	6.3	51	26
2 x 1	7.5	67	19.5
2 x 1.5	8.6	90	13.3
2 x 2.5	10.6	135	7.98
2 x 4	11.2	150	4.95
3G0.75	7.6	65	26
3G1	8	80	19.5
3G1.5	9.4	121	13.3
3G2.5	11.4	175	7.98
3G4	13	200	4.95
4G0.75	8	81	26
4G1	9	100	19.5
4G1.5	10.5	130	13.3
4G2.5	12.5	200	7.98
4G4	14.3	280	4.95
5G0.75	9.3	100	26
5G1	10	120	19.5
5G1.5	11.6	170	13.3
5G2.5	14	250	7.98
5G4	16	350	4.95
H03VV-F			
2 x 0.5	5.9	38	39
2 x 0.75	6.3	47	26
3G0.5	6.3	45	39
3G0.75	6.7	58	26
4G0.5	6.9	50	39
4G0.75	7.3	66	26

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