

H05V-U 300/500 V & H07V-U 450/750 V

PVC Insulated Single Core Wire



Application

H05V-U: For protected fixed installations inside appliances and in or on lighting fittings. For installations in pipes on and under plaster, however, only for signal circuit and control circuit.

H07V-U: For indoor fixed installations in dry locations, in switchboards and distributors, installed in surface mounted or embedded conduits, or on suitably objects .

Construction

Conductor material	Solid bare copper
Insulation	Polyvinylchloride (PVC)

Standards and Certifications

EN 50525-3-31

DIN EN 60228 class 5 (construction)

This cable is VDE HAR certified



Technical Data

Nominal voltage H05V-U U ₀ /U	[V]	300 / 500 V
Nominal voltage H07V-U U ₀ /U	[V]	450 / 750 V
Test voltage H05V-U	[V]AC	2000
Test voltage H07V-U	[V]AC	2500
Temperature range	in motion °C	+5°C till +70°C
Operating temperature	short circuit °C	160°C
Short circuit time	max. [sec]	5
Bending radius	min. x diameter	4

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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]
H05V-U			
0.5	2.3	9	36
0.75	2.5	12	24.5
1	2.7	14	18.1
H07V-U			
1.5	3.2	20	12.1
2.5	3.9	31	7.41
4	4.4	46	4.61
6	5.0	65	3.08
10	6.4	109	1.83

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