

H07V-R 450/750 V

PVC Insulated Single Core Wire



Application

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	Stranded bare copper, compacted
Insulation	Polyvinylchloride (PVC)

Standards and Certifications

EN 50525-2-31
 DIN EN 60228 class 2 (construction)
 This cable is VDE HAR certified



Technical Data

Nominal voltage U ₀ /U	[V]	450 / 750 V
Test voltage	[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

Fire classification CPR class

Reaction to fire EN 60332-1-2 - Eca

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Number of cores x Cross- section	Outer diameter min.	Outer diameter max.	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
6	4.3	5.2	66	3.08
10	5.6	6.7	110	1.83
16	6.4	7.8	170	1.15
25	8.1	9.7	270	0.727
35	9	10.9	360	0.524
50	10.6	12.8	530	0.387
70	12.1	14.6	740	0.268
95	14.1	17.1	1000	0.193
120	15.6	18.8	1250	0.153
150	17.3	20.9	1580	0.124
185	19.3	23.3	1930	0.101
240	22	26.6	2500	0.0775
300	24.5	29.6	3130	0.0620

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