

Power cable

Single core, PVC insulated

H07V-U

450/750 V



According to VDE 0281 part 3.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor category	Class 1 = solid	
Number of cores	1	
Core insulation material	Polyvinyl chloride (PVC)	
Core identification according to HD 308 S2	Yes	
Protective conductor	No	
Max. conductor temperature	70	°C
Screen	No	
Armouring/reinforcement	None	
Material outer sheath	None	
Colour outer sheath	Colourless	
Reaction-to-fire according to EN 13501-6: Class	Eca	
Halogen free (acc. EN 60754-1/2)	No	
Flame retardant	In accordance with IEC/EN 60332-1-2	
Low smoke (acc. EN 61034-2)	No	
Permitted cable outer temperature during assembling/handling	5 <=> 70	°C

Characteristics	Properties	Unit
Permitted cable outer temperature after assembling without vibration	-40 <=> 70	°C
Nominal voltage U0	450	V
Nominal voltage U	750	V
Shape of conductor	Round	
Suitable as installation cable	Yes	
Certified for shipboard application	No	
Suitable as medium-voltage cable	No	
Suitable as high-voltage cable	No	
Certified as airport lighting cable	No	
Minimum bending radius	4	x Außen-Ø
max. short circuit temperature	160	°C
Außendurchmesser	210	mm
Kerndurchmesser	100	mm
Höhe	40	mm

Product						Packaging				
Nominal cross section conductor (in mm ²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in EU571143)	Core colour	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit (in kg)	Paletteinheit (in m)	Net weight (in kg)
1.5	1.5	12.1	Black	3	18.53	Ring	100	245.16	12,000	2
2.5	2.5	7.41	Blue	4	29.03	Ring	100	487.28	16,000	3
2.5	2.5	7.41	Green/yellow	4	29.02	Ring	100	487.12	16,000	3
2.5	2.5	7.41	Brown	4	29.02	Ring	100	487.12	16,000	3
2.5	2.5	7.41	Green/yellow	4	29.02	Ring	100	371.04	12,000	3

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2.5	2.5	7.41	Brown	4	29.02	Ring	100	371.04	12,000	3
2.5	2.5	7.41	Blue	4	29.03	Ring	100	371.16	12,000	3