

**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

Product						Packaging				
Nominal cross section conductor (in mm <sup>2</sup> )	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in Ohm/km)	Core colour	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit (in kg)	Paletteinheit (in m)	Net weight (in kg)
1.5	1.5	12.1	Violet	3	18.52	Ring	100	467.28	24,000	2
1.5	1.5	12.1	White	3	18.54	Ring	100	467.76	24,000	2
1.5	1.5	12.1	Black	3	18.53	Ring	100	467.52	24,000	2
1.5	1.5	12.1	Blue	3	18.53	Ring	100	467.52	24,000	2
1.5	1.5	12.1	Red	3	18.54	Ring	100	467.76	24,000	2
1.5	1.5	12.1	Green/yellow	3	18.53	Ring	100	467.52	24,000	2
1.5	1.5	12.1	Grey	3	18.53	Ring	100	467.52	24,000	2
1.5	1.5	12.1	Orange	3	18.52	Ring	100	467.28	24,000	2

Product						Packaging				
Nominal cross section conductor (in mm <sup>2</sup> )	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in Ohm/km)	Core colour	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit (in kg)	Paletteinheit (in m)	Net weight (in kg)
1.5	1.5	12.1	Pink	3	18.52	Ring	100	467.28	24,000	2
1.5	1.5	12.1	Other	3	18.52	Ring	100	467.28	24,000	2
1.5	1.5	12.1	Black	3	18.53	Ring	100	245.16	12,000	2
2.5	2.5	7.41	White	4	29.03	Ring	100	458.25	15,000	3
2.5	2.5	7.41	Black	4	29.02	Ring	100	458.1	15,000	3
2.5	2.5	7.41	Blue	4	29.03	Ring	100	458.25	15,000	3
2.5	2.5	7.41	Green/yellow	4	29.02	Ring	100	458.1	15,000	3
2.5	2.5	7.41	Brown	4	29.02	Ring	100	458.1	15,000	3
2.5	2.5	7.41	Grey	4	29.02	Ring	100	458.1	15,000	3
2.5	2.5	7.41	Green/yellow	4	29.02	Ring	100	371.04	12,000	3
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
4	4	4.61	Black	4	42.95	Ring	100	538.2	12,000	4
4	4	4.61	Blue	4	42.96	Ring	100	538.32	12,000	4
4	4	4.61	Brown	4	42.95	Ring	100	538.2	12,000	4
4	4	4.61	Grey	4	42.95	Ring	100	538.2	12,000	4
6	6	3.08	Black	5	60.85	Ring	100	753	12,000	6
6	6	3.08	Blue	5	60.85	Ring	100	753	12,000	6
6	6	3.08	Green/yellow	5	60.85	Ring	100	753	12,000	6
6	6	3.08	Brown	5	60.85	Ring	100	753	12,000	6