

Power cable

Single core, PVC insulated

H07V-R

450/750 V



According to VDE 0281 part 3.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor category	Class 2 = stranded	
Number of cores	1	
Core insulation material	Polyvinyl chloride (PVC)	
Core identification according to HD 308 S2	Yes	
Identification/coding colour core		
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	

Characteristics	Properties	Unit
Permitted cable outer temperature during assembling/handling	5 <=> 70	°C
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 ²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in Ohm/km)	Core colour	Core diameter	Diamètre extérieur	Kerndurchmesser	Outer diameter	Outer diameter approx. (in mm)	Weight (in kg/km)	diámetro exterior	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1.5	1.5	12.1	Black					4	20.93		Ring	100		525.12		24,000	2
2.5	2.5	7.41	Black					4	30.81		Ring	100		484.95		15,000	3
2.5	2.5	7.41	Blue					4	30.82		Ring	100		485.1		15,000	3
6	6	3.08	Black	200	290	200	290	5	63.27	290	Ring	100	290	782.04	56	12,000	6
6	6	3.08	Blue	200	290	200	290	5	63.28	290	Ring	100	290	516.38	56	7,800	6
10	10	1.83	Black	200	330	200	330	6	104.85	330	Ring	100	330	651.9	59	6,000	10
10	10	1.83	Blue	200	340	200	340	6	104.86	340	Ring	100	340	651.96	54	6,000	10

Product											Packaging						
Nominal cross section conductor (in mm²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in Ohm/km)	Core colour	Core diameter	Diamètre extérieur	Kerndurchmesser	Outer diameter	Outer diameter approx. (in mm)	Weight (in kg/km)	diámetro exterior	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
16	16	1.15	Black					7	159.18		Ring, Drum	Cut length					159
16	16	1.15	Blue	200	380	200	380	7	159.2	380	Ring	100	380	1,073.52	54	6,600	16
25	25	0.727	Black					9	250.12		Ring, Drum	Cut length					250
25	25	0.727	Blue					9	250.14		Ring, Drum	Cut length					250
25	25	0.727	Black	200	390	200	390	9	250.12	390	Ring	100	390	1,073.3	77	4,200	25
25	25	0.727	Blue	200	390	200	390	9	250.14	390	Ring	100	390	1,073.39	77	4,200	25
35	35	0.524	Green/yellow					10	337.58		Ring, Drum	Cut length					338
35	35	0.524	Black					10	337.59		Ring, Drum	Cut length					338
35	35	0.524	Blue					10	337.62		Ring, Drum	Cut length					338
35	35	0.524	Black	200	390	200	390	10	337.59	390	Ring	100	390	1,035.57	100	3,000	34
35	35	0.524	Blue	200	390	200	390	10	337.62	390	Ring	100	390	1,035.66	100	3,000	34
50	50	0.387	Black					11	459.53		Ring, Drum	Cut length					460
50	50	0.387	Blue					11	459.56		Ring, Drum	Cut length					460
50	50	0.387	Black	200	390	200	390	11	459.53	390	Ring	50	390	849.95	96	1,800	23
50	50	0.387	Blue	300	400	300	400	11	459.56	400	Ring	50	400	987.88	69	2,100	23
50	50	0.387	Black	300	480	300	480	11	459.53	480	Ring	100	480	849.95	130	1,800	46