

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	
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 mm²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in Ohm/km)	Core colour	Kerndurchmesser	Outer diameter approx. (in mm)	Weight (in kg/km)	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
1.5	1.5	12.1	Blue		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	5	63.27	Ring	100	290	782.04	56	12,000	6
6	6	3.08	Blue	200	5	63.28	Ring	100	290	516.38	56	7,800	6
10	10	1.83	Green/yellow		6	104.84	Ring, Drum	Cut length					105
10	10	1.83	Black	200	6	104.85	Ring	100	330	651.9	59	6,000	10

Product							Packaging						
Nominal cross section conductor (in mm ²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in Ohm/km)	Core colour	Kerndurchmesser	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
10	10	1.83	Green/yellow	200	6	104.84	Ring	100	340	651.84	54	6,000	10
10	10	1.83	Blue	200	6	104.86	Ring	100	340	651.96	54	6,000	10
16	16	1.15	Green/yellow		7	159.18	Ring, Drum	Cut length					159
16	16	1.15	Black		7	159.18	Ring, Drum	Cut length					159
16	16	1.15	Red		7	159.21	Ring	100		1,073.59		6,600	16
16	16	1.15	Blue	200	7	159.2	Ring	100	380	1,073.52	54	6,600	16
16	16	1.15	Green/yellow	200	7	159.18	Ring	100	380	1,073.39	54	6,600	16
16	16	1.15	Red	150	7	159.21	Drum	500	450	686.04	419	4,000	80
16	16	1.15	Blue	150	7	159.2	Drum	500	450	686	419	4,000	80
16	16	1.15	Green/yellow	150	7	159.18	Drum	500	450	685.92	419	4,000	80
16	16	1.15	Green/yellow	315	7	159.18	Drum	1000	752	710.16	419	4,000	159
25	25	0.727	Black		9	250.12	Ring, Drum	Cut length					250
25	25	0.727	Green/yellow		9	250.11	Ring, Drum	Cut length					250
25	25	0.727	Blue		9	250.14	Ring, Drum	Cut length					250
25	25	0.727	Red		9	250.16	Ring, Drum	Cut length					250
25	25	0.727	Black	200	9	250.12	Ring	100	390	1,073.3	77	4,200	25
25	25	0.727	Blue	200	9	250.14	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	Red		10	337.64	Ring, Drum	Cut length					338

Product							Packaging						
Nominal cross section conductor (in mm²)	Conductor Diameter (in mm)	Conductor resistance at 20 °C (in Ohm/km)	Core colour	Kerndurchmesser	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
35	35	0.524	Black	200	10	337.59	Ring	100	390	1,035.57	100	3,000	34
35	35	0.524	Green/yellow	200	10	337.58	Ring	100	390	1,035.54	100	3,000	34
35	35	0.524	Blue	200	10	337.62	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	Green/yellow		11	459.52	Ring, Drum	Cut length					460
50	50	0.387	Blue		11	459.56	Ring, Drum	Cut length					460
50	50	0.387	Black		11	459.53	Ring	50		849.95		1,800	23
50	50	0.387	Blue	300	11	459.56	Ring	50	400	987.88	69	2,100	23
50	50	0.387	Black	300	11	459.53	Ring	100	480	849.95	130	1,800	46
50	50	0.387	Green/yellow	200	11	459.52	Ring	100	390	1,125.65	128	2,400	46
50	50	0.387	Blue	200	11	459.56	Ring	100	390	1,125.74	128	2,400	46
70	70	0.268	Green/yellow		13	651.26	Ring, Drum	Cut length					651
95	95	0.193	Green/yellow		15	899.14	Ring, Drum	Cut length					899
120	120	0.153	Green/yellow		16	1,114.8	Ring, Drum	Cut length					1,115
150	150	0.124	Green/yellow		18	1,387.3	Ring, Drum	Cut length					1,387
185	185	0.099	Green/yellow		21	1,722.9	Ring, Drum	Cut length					1,723