

**Power cable**

single core, halogen-free

**H07Z-R Dca**

450/750 V



according VDE 0285-525-3-41.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor category	Class 2 = stranded	
Number of cores	1	
Core insulation material	Polyolefin	
Core identification according to HD 308 S2	Yes	
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	Dca	
Reaction-to-fire according to EN 13501-6: Smoke production	s1a	
Reaction-to-fire according to EN 13501-6: Flaming droplets/particles	d2	
Reaction-to-fire according to EN 13501-6: Acidity	a1	
Halogen free (acc. EN 60754-1/2)	Yes	
Flame retardant	In accordance with IEC/EN 60332-1-2	

Characteristics	Properties	Unit
Low smoke (acc. EN 61034-2)	Yes	
Permitted cable outer temperature during assembling/handling	5 <=> 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	250	°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)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit (in kg)	Höhe	Paletteinheit (in m)	Net weight (in kg)
10	10	1.83	Black		6	No	105.96	Ring, Drum	Cut length					106
10	10	1.83			6	Yes	105.96	Ring	100		658.56		6,000	11
16	16	1.15	Green/yellow	200	7	Yes	160.48	Ring	100	390	1,081.97	52	6,600	16
16	16	1.15	Black	150	7	No	160.48	Drum	1000	500	1,006.68	419	6,000	160
25	25	0.727	Green/yellow		9	Yes	251.65	Ring	100		1,079.73		4,200	25
25	25	0.727		315	9	Yes	251.65	Drum	1000	752	1,080.04	419	4,000	252
35	35	0.524			10	Yes	339.33	Ring, Drum	Cut length					339

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	Kerndurchmesser	Outer diameter approx. (in mm)	Protective conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit (in kg)	Höhe	Paletteinheit (in m)	Net weight (in kg)
50	50	0.387			11	Yes	461.41	Ring, Drum	Cut length					461
70	70	0.268			13	Yes	653.47	Ring, Drum	Cut length					653
95	95	0.193			15	Yes	901.59	Ring, Drum	Cut length					902
120	120	0.153			16	Yes	1,117.4	Ring, Drum	Cut length					1,117
150	150	0.124			18	Yes	1,390.1	Ring, Drum	Cut length					1,390
185	185	0.099			21	Yes	1,725.9	Ring, Drum	Cut length					1,726