

Power cable

Power cable, PVC insulated, copper conductor

YM-J

300/500 V

Based on ÖVE K41.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor category	Class 1 = solid	
Core insulation material	Polyvinyl chloride (PVC)	
Core identification according to HD 308 S2	Yes	
Protective conductor	Yes	
Max. conductor temperature	70	°C
Screen	No	
Armouring/reinforcement	None	
Material outer sheath	Polyvinyl chloride (PVC)	
Colour outer sheath	Grey	
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
Permitted cable outer temperature after assembling without vibration	-40 <=> 70	°C
Nominal voltage U0	300	V
Nominal voltage U	500	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	

Characteristics	Properties	Unit
Certified as airport lighting cable	No	
Minimum bending radius	4	x Außen-Ø
max. short circuit temperature	160	°C
Conductor Diameter	1.5	mm
Core colour		

Product						Packaging						
Number of cores	Nominal cross section conductor (in mm ²)	Conductor resistance at 20 °C (in EU571143)	Kerndurchmesser (in mm)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
3	1.5	12.1	200	8	101.05	Ring	50	330	525.09	54	4,500	6
3	1.5	12.1	200	8	101.05	Ring	100	390	759.49	66	6,600	11
3	1.5	12.1	150	8	101.05	Drum	500	410	729.72	419	6,000	56
3	2.5	7.41	200	9	145.31	Ring	50	370	498.03	52	3,000	8
3	2.5	7.41	200	9	145.31	Ring	100	390	878.21	89	5,400	16
3	2.5	7.41	150	9	145.31	Drum	500	450	682.84	419	4,000	79
5	1.5	12.1		10	143.56	Ring, Drum	Cut length					159
5	1.5	12.1	200	9	143.56	Ring	50	370	736.68	53	4,500	8
5	1.5	12.1	200	9	143.56	Ring	100	390	879.46	91	5,400	16
5	1.5	12.1	150	9	143.56	Drum	500	450	683.76	419	4,000	79
5	2.5	7.41	200	11	213.13	Ring	50	390	708.78	62	3,000	11
5	2.5	7.41	200	11	213.13	Ring	100	390	845.98	124	3,600	23
5	2.5	7.41	150	11	213.13	Drum	500	500	729.78	419	3,000	114
7	1.5	12.1	200	11	207.17	Ring	50	390	644.31	64	3,000	10

Product						Packaging						
Number of cores	Nominal cross section conductor (in mm ²)	Conductor resistance at 20 °C (in EU571143)	Kerndurchmesser (in mm)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Außendurchmesser (in mm)	Bruttogewicht pro Paletteinheit (in kg)	Höhe (in mm)	Paletteinheit (in m)	Net weight (in kg)
7	1.5	12.1	200	11	207.17	Ring	100	390	768.61	127	3,600	21
7	1.5	12.1	150	11	207.17	Drum	500	500	665.31	419	3,000	104