

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 Ohm/km)	Core diameter (in mm)	Diamètre extérieur (in mm)	Kerndurchmesser (in mm)	Outer diameter (in mm)	Outer diameter approx. (in mm)	Weight (in kg/km)	diámetro exterior (in mm)	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	330	200	330	8	101.05	330	Ring	50	330	525.09	54	4,500	6
3	1.5	12.1	200	390	200	390	8	101.05	390	Ring	100	390	759.49	66	6,600	11
3	1.5	12.1	150	410	150	410	8	101.05	410	Drum	500	410	729.72	419	6,000	56
3	2.5	7.41	200	370	200	370	9	145.31	370	Ring	50	370	498.03	52	3,000	8
3	2.5	7.41	200	390	200	390	9	145.31	390	Ring	100	390	878.21	89	5,400	16
3	2.5	7.41	150	450	150	450	9	145.31	450	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	370	200	370	9	143.56	370	Ring	50	370	736.68	53	4,500	8
5	1.5	12.1	200	390	200	390	9	143.56	390	Ring	100	390	879.46	91	5,400	16
5	1.5	12.1	150	450	150	450	9	143.56	450	Drum	500	450	683.76	419	4,000	79
5	2.5	7.41	200	390	200	390	11	213.13	390	Ring	50	390	708.78	62	3,000	11
5	2.5	7.41	200	390	200	390	11	213.13	390	Ring	100	390	845.98	124	3,600	23
5	2.5	7.41	150	500	150	500	11	213.13	500	Drum	500	500	729.78	419	3,000	114
7	1.5	12.1	200	390	200	390	11	207.17	390	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 Ohm/km)	Core diameter (in mm)	Diamètre extérieur (in mm)	Kerndurchmesser (in mm)	Outer diameter (in mm)	Outer diameter approx. (in mm)	Weight (in kg/km)	diámetro exterior (in mm)	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	390	200	390	11	207.17	390	Ring	100	390	768.61	127	3,600	21
7	1.5	12.1	150	500	150	500	11	207.17	500	Drum	500	500	665.31	419	3,000	104