

Power cable

Installation cable, XLPE insulated

XMvK-G

450/750 V



According to KEMA K42-C 07-1,2,3.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor category	Class 1 = solid	
Core insulation material	Polyolefin	
Core identification according to HD 308 S2	Yes	
Core colour		
Protective conductor	Yes	
Max. conductor temperature	90	°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	

Characteristics	Properties	Unit
Low smoke (acc. EN 61034-2)	No	
Permitted cable outer temperature after assembling without vibration	-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	12	x Außen-Ø
max. short circuit temperature	250	°C

Product											Packaging						
Number of cores	Nominal cross section conductor (in mm ²)	Conductor Diameter (in mm)	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)	diametro 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	1.5	12.1	200	400	200	400	9	111.97	400	Ring	100	400	694.62	77	6,000	11
3	1.5		12.1	150	410	150	410	9	111.97	410	Drum	500	410	731.82	419	6,000	56
3	2.5		7.41					10	148.19		Ring, Drum	Cut length					148
3	2.5		7.41					10	148.19		Ring	50		645.2		4,200	7
3	2.5		7.41	200	390	200	390	10	148.19	390	Ring	100	390	734.11	98	4,800	15
3	2.5		7.41	150	450	150	450	10	148.19	450	Drum	500	450	951.54	419	6,000	74
4	1.5		12.1					10	132.13		Ring	100		815.58		6,000	13

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4	1.5		12.1	150	500	150	500	10	132.13	500	Drum	500	500	718.45	419	5,000	66
4	2.5		7.41					10	177.62		Ring, Drum	Cut length					178
4	2.5		7.41	200	390	200	390	10	177.62	390	Ring	100	390	662.23	114	3,600	18
4	2.5		7.41	200	390	200	390	10	177.62	390	Ring	100	390	875.38	114	4,800	18
4	2.5	2.5	7.41	150	500	150	500	10	177.62	500	Drum	500	500	945.9	419	5,000	89
4	2.5		7.41	150	500	150	500	10	177.62	500	Drum	500	500	945.9	419	5,000	89
5	1.5		12.1	200	390	200	390	10	153.47	390	Ring	100	390	759.46	110	4,800	15
5	1.5	1.5	12.1	150	500	150	500	10	153.47	500	Drum	500	500	825.15	419	5,000	77
5	2.5		7.41					11	208.47		Ring, Drum	Cut length					208
5	2.5		7.41	200	400	200	400	11	208.47	400	Ring	50	400	835.83	62	3,900	10
5	2.5		7.41	200	390	200	390	11	208.47	390	Ring	100	390	773.29	133	3,600	21
5	2.5	2.5	7.41	260	600	260	600	11	208.47	600	Drum	500	600	457.34	419	2,000	104