

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 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	1.5	12.1	200	9	111.97	Ring	100	400	694.62	77	6,000	11
3	1.5		12.1	150	9	111.97	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	200	10	148.19	Ring	50	380	645.2	53	4,200	7
3	2.5		7.41	200	10	148.19	Ring	100	390	734.11	98	4,800	15
3	2.5		7.41	150	10	148.19	Drum	500	450	951.54	419	6,000	74
4	1.5		12.1	200	10	132.13	Ring	100	380	815.58	101	6,000	13

Product							Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor Diameter (in mm)	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)
4	1.5		12.1	150	10	132.13	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	10	177.62	Ring	100	390	662.23	114	3,600	18
4	2.5		7.41	200	10	177.62	Ring	100	390	875.38	114	4,800	18
4	2.5	2.5	7.41	150	10	177.62	Drum	500	500	945.9	419	5,000	89
4	2.5		7.41	150	10	177.62	Drum	500	500	945.9	419	5,000	89
5	1.5		12.1	200	10	153.47	Ring	100	390	759.46	110	4,800	15
5	1.5	1.5	12.1	150	10	153.47	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	11	208.47	Ring	50	400	835.83	62	3,900	10
5	2.5		7.41	200	11	208.47	Ring	100	390	773.29	133	3,600	21
5	2.5		7.41	260	11	208.47	Drum	500	600	457.34	419	2,000	104