

Power cable

A2XCWY Eca

Starkstromkabel, VPE-isoliert mit Al-Leitern und konzentrischem Cu-Leiter in CEANDER-Form

0.6/1 kV

Characteristics	Properties	Unit
Conductor material	Aluminium	
Conductor surface	Bare	
Conductor category	Class 1 = solid	
Shape of conductor	Sector-shaped	
Core identification according to HD 308 S2		
Core identification	Colour	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	No	
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	Copper	
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	
Colour outer sheath	Orange	
Cable geometry		
Conductive coating	No	
Longitudinal water blocking screen	No	
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 60332-3-24	
Low smoke (acc. EN 61034-2)	No	

Characteristics	Properties	Unit
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	-5 <=> 70	°C
Nominal voltage U0	0.6	kV
Nominal voltage U	1	kV
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	12	x Außen-Ø

Product							Packaging		
Number of cores (in Stck)	Nominal cross section conductor (in mm²)	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation (in mm)	Nominal cross section concentric conductor (in mm²)	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Net weight (in kg)
3	95		396	59	34	2,022.3	Ring, Drum	Cut length	2,022
3	185	Yes	528	116	44	3,622.5	Ring, Drum	Cut length	3,623
3	300		624	116	53	4,899.4	Ring, Drum	Cut length	4,899
4	95	Yes		59	38	2,416.4	Ring, Drum	Cut length	2,416
4	185			116	50	4,433.5	Ring, Drum	Cut length	4,434
4	300			116	60	6,169.4	Ring, Drum	Cut length	6,169