

**Power cable**

**YMeKrvaslqwd 20kV**

Mittelspannungskabel, VPE-isoliert mit Cu- oder Al-Leiter, längswasserdichtem Schirm und PE-Mantel

12/20 kV



according NEN-HD620 S2.

Characteristics	Properties	Unit
Conductor surface	Bare	
Shape of conductor	Round	
Number of cores	1	
Core identification according to HD 308 S2	No	
Core identification	None	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	No	
Inner semi-conducting layer	Yes	
Outer semi-conducting layer	Yes	
Screen	Yes	
Concentric conductor	None	

Characteristics	Properties	Unit
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	
Conductive coating	No	
Longitudinal water blocking screen	Yes	
Reaction-to-fire according to EN 13501-6: Class	Fca	
Halogen free (acc. EN 60754-1/2)	Yes	
Flame retardant	No	
Low smoke (acc. EN 61034-2)	No	
Max. conductor temperature	90	°C
Permitted cable outer temperature during assembling/handling	20 <=> 70	°C
Nominal voltage U0	12	kV
Nominal voltage U	20	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Minimum bending radius	15	x Außen-Ø
Min. permitted bending radius, stationary application/permanent installation	552	mm

Product								Packaging		
Nominal cross section conductor (in mm²)	Colour outer sheath	Conductor category	Conductor material	Longitudinal water blocking conductors	Nominal cross section concentric conductor (in mm²)	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Net weight (in kg)
25	Red	Class 2 = stranded	Copper	No	20	28	832.77	Ring, Drum	Cut length	832
150	Red	Class 1 = solid	Aluminium	Yes		36	1,381.9	Ring, Drum	Cut length	1,382

Product								Packaging		
Nominal cross section conductor (in mm <sup>2</sup> )	Colour outer sheath	Conductor category	Conductor material	Longitudinal water blocking conductors	Nominal cross section concentric conductor (in mm <sup>2</sup> )	Outer diameter approx. (in mm)	Weight (in EU571166)	Packing	Individual length (in m)	Net weight (in kg)
150	Red	Class 1 = solid	Aluminium	Yes		36	1,381.9	Ring, Drum	Cut length	1,382
240	Red	Class 1 = solid	Aluminium	Yes	50	39	1,899.8	Ring, Drum	Cut length	1,875
240	Red	Class 1 = solid	Aluminium	Yes	25	41	1,741.6	Ring, Drum	Cut length	1,717
240	Red	Class 1 = solid	Aluminium	Yes		39	1,757.3	Ring, Drum	Cut length	1,731
400	Red	Class 1 = solid	Aluminium	Yes	50	44	2,396.7	Ring, Drum	Cut length	2,398
630	Red	Class 1 = solid	Aluminium	Yes		51	3,035.6	Ring, Drum	Cut length	3,065
630	Black	Class 2 = stranded	Copper	No	50	54	7,444.5	Ring, Drum	Cut length	7,331
800	Red	Class 1 = solid	Aluminium	Yes		55	3,652.8	Ring, Drum	Cut length	3,652