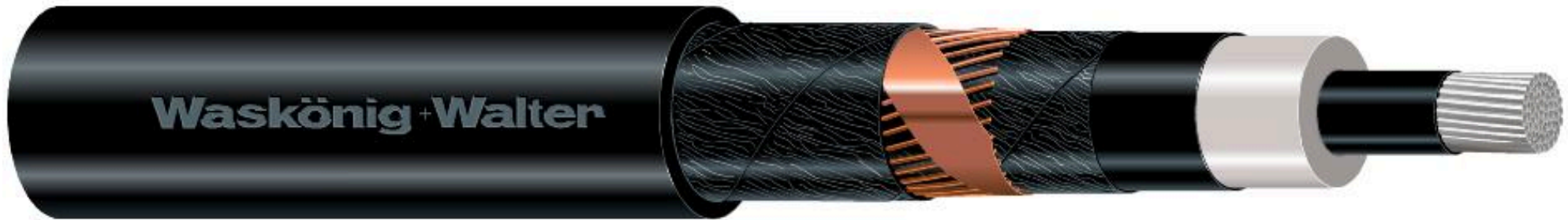


Power cable

Medium-voltage cable, XLPE insulated, aluminum conductor, polyethylene outershe

NA2XS2Y 20kV

12/20 kV



According to VDE 0276 part 620.

Characteristics	Properties	Unit
Conductor material	Aluminium	
Conductor surface	Bare	
Shape of conductor	Round	
Number of cores	1	Stck
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	

Characteristics	Properties	Unit
Concentric conductor	None	
Armouring	No	
Material outer sheath	Polyolefin	
Specification material outer sheath	Polyethylene (PE)	
Colour outer sheath	Black	
Conductive coating	No	
Longitudinal water blocking screen	No	
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 U ₀	12	kV
Nominal voltage U	20	kV
max. short circuit temperature	250	°C
Insulation	XLPE (VPE)	
Core identification according to HD 308 S2		
Cable geometry		
Suitable as installation cable		
Certified for shipboard application		
Suitable as medium-voltage cable		
Suitable as high-voltage cable		
Certified as airport lighting cable		

Product							Packaging		
Nominal cross section conductor (in mm²)	Conductor category	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Net weight (in kg)
50	Class 2 = stranded	No	450	15	30	753.99	Ring, Drum	Cut length	754
70	Class 2 = stranded	No	480	15	32	847.09	Ring, Drum	Cut length	847
95	Class 2 = stranded	No	510	15	34	968.44	Ring, Drum	Cut length	968
120	Class 2 = stranded	No	525	15	35	1,073.8	Ring, Drum	Cut length	1,074
150	Class 2 = stranded	No	540	15	36	1,175.1	Ring, Drum	Cut length	1,175
150	Class 2 = stranded	No	540	15	36	1,257.45	Ring, Drum	Cut length	1,257
150	Class 1 = solid	Yes	540	15	35	1,230.4	Ring, Drum	Cut length	1,237
150	Class 2 = stranded	No	540	15	36	1,175.1	Ring, Drum	Cut length	1,175
150	Class 2 = stranded	No		15	36	1,270.2	Ring, Drum	Cut length	1,270
150	Class 1 = solid	Yes		15	35	1,234.1	Ring, Drum	Cut length	1,234
185	Class 2 = stranded	No	570	15	38	1,407.9	Ring, Drum	Cut length	1,408
240	Class 2 = stranded	No	615	15	41	1,615.9	Ring, Drum	Cut length	1,616
240	Class 1 = solid	No		15	39	1,573.3	Ring, Drum	Cut length	1,579
300	Class 2 = stranded	No	630	15	42	1,837.04	Ring, Drum	Cut length	1,837

Product							Packaging		
Nominal cross section conductor (in mm²)	Conductor category	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Net weight (in kg)
400	Class 2 = stranded	No	690	15	46	2,275.6	Ring, Drum	Cut length	2,248
500	Class 2 = stranded	No	735	15	49	2,599.7	Ring, Drum	Cut length	2,600
630	Class 2 = stranded	No	810	15	54	3,174.9	Ring, Drum	Cut length	3,143
630	Class 1 = solid	Yes	750	15	50	2,954.1	Ring, Drum	Cut length	2,954
800	Class 2 = stranded	No	696	12	58	3,810.5	Ring, Drum	Cut length	3,811