Power cable

NYCY

Power cable, PVC insulated, with copper conductor and concentric copper conductor

0.6/1 kV



According to VDE 0276 part 603 and 627. For fixed installation indoors, outdoors, in ground, in water and in concrete.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Conductor category	Class 1 = solid	
Shape of conductor	Round	
Core identification according to HD 308 S2		

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Characteristics	Properties	Unit
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	Polyvinyl chloride (PVC)	
Specification material outer sheath	Other	
Colour outer sheath	Black	
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 60332-1-2	
Low smoke (acc. EN 61034-2)	No	
Max. conductor temperature	70	°C
Permitted cable outer temperature during assembling/handling	-5 <=> 70	°C
Permitted cable outer temperature after assembling without vibration	-35 <=> 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		

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Characteristics	Properties	Unit
Certified as airport lighting cable		
max. short circuit temperature	160	°C
Insulation	PVC	
Minimum bending radius	12	x Außen-Ø

Product									Packaging						
Number of cores	Nominal cross section conductor (in mm^2)	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane installation (in mm)	Nominal cross section concentric conductor (in mm^2)	Outer diameter approx. (in mm)	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
2	1.5		Colour		156	1.5	13	215.88	Ring, Drum	Cut length					216
2	2.5		Colour		168	2.5	14	264.29	Ring, Drum	Cut length					264
2	2.5	315	Colour		168	2.5	14	264.29	Drum	500	602.02	419	752	2,000	132
2	4		Colour		192	4	16	356.01	Ring, Drum	Cut length					356
2	4	450	Colour			4	16	356.01	Drum	500	225.01	690	900	500	178
2	6		Colour	Yes	204	6	17	433.14	Ring, Drum	Cut length					433
2	6	450	Colour			6	17	433.14	Drum	500	263.57	690	900	500	217
3	1.5		Colour		156	1.5	13	230.99	Ring, Drum	Cut length					231
3	1.5		Colour		156	1.5	13	230.99	Ring, Drum	Cut length					231
3	1.5	315	Colour		156	1.5	13	230.99	Drum	500	535.42	419	752	2,000	116
3	2.5		Colour		168	2.5	14	284.1	Ring, Drum	Cut length					284
3	2.5	315	Colour		168	2.5	14	284.1	Drum	500	169.05	462	710	500	142
3	4		Colour		204	4	17	401.94	Ring, Drum	Cut length					402
3	4		Colour		204	4	17	401.94	Ring, Drum	Cut length					402
3	6		Colour		216	6	18	495.97	Ring, Drum	Cut length					496

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Number of cores	Nominal cross section conductor (in mm²)	Core diameter	Core identification	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)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
3	6		Colour		216	6	18	495.97	Ring, Drum	Cut length					496
4	1.5		Colour		168	1.5	14	261.11	Ring, Drum	Cut length					261
4	1.5		Colour		168	1.5	14	261.11	Ring, Drum	Cut length					261
4	1.5	400	Colour		168	1.5	14	261.11	Drum	500	161.56	520	800	500	131
4	2.5		Colour		180	2.5	15	324.96	Ring, Drum	Cut length					325
4	2.5		Colour	No	180	2.5	15	324.96	Ring, Drum	Cut length					325
4	2.5	315	Colour	No	180	2.5	15	324.96	Drum	500	194.48	462	800	500	162
4	4		Colour		216	4	18	463.15	Ring, Drum	Cut length					463
4	4		Colour		216	4	18	463.15	Ring, Drum	Cut length					463
4	6		Colour		228	6	19	577.47	Ring, Drum	Cut length					577
4	6		Colour		228	6	19	577.47	Ring, Drum	Cut length					577
5	1.5		Colour		180	1.5	15	293.38	Ring, Drum	Cut length					293
5	1.5		Colour		180	1.5	15	293.38	Ring, Drum	Cut length					293
7	1.5		Numbers	Yes	192	2.5	16	352.81	Ring, Drum	Cut length					353
7	2.5		Numbers		204	2.5	17	439.82	Ring, Drum	Cut length					440
7	4		Numbers		240	4	20	639	Ring, Drum	Cut length					639
7	4	500	Numbers		240	4	20	639	Drum	500	390.5	710	1,000	500	320
10	1.5		Numbers		216	2.5	18	464.9	Ring, Drum	Cut length					465
10	2.5		Numbers		240	4	21	613.35	Ring, Drum	Cut length					673
12	1.5	450	Numbers		228	2.5	19	526.44	Drum	500	310.22	690	900	500	263
12	2.5		Numbers		252	4	21	697.54	Ring, Drum	Cut length					762

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12	2.5		Numbers		252	4	21	697.54	Ring, Drum	Cut length					762
12	2.5	500	Numbers		252	4	21	697.54	Drum	500	451.88	710	1,000	500	381
14	1.5		Numbers		240	2.5	20	574.52	Ring, Drum	Cut length					575
14	2.5		Numbers		264	6	23	778.78	Ring, Drum	Cut length					846
16	2.5	630	Numbers		276	6	23	856.21	Drum	500	607.45	890	1,250	500	463
19	1.5	630	Numbers		264	4	22	722.33	Drum	500	538.82	890	1,250	500	395
19	2.5		Numbers		288	6	25	952.93	Ring, Drum	Cut length					1,027
24	1.5		Numbers		300	6	25	923.37	Ring, Drum	Cut length					1,000
24	1.5	630	Numbers		300	6	25	923.37	Drum	500	644.2	890	1,250	500	500
24	2.5		Numbers		324	10	27	1,281	Ring, Drum	Cut length					1,368
24	2.5	630	Numbers			10	27	1,281	Drum	500	827.79	890	1,250	500	684
30	1.5		Numbers		312	6	27	1,047.7	Ring, Drum	Cut length					1,129
30	2.5		Numbers		348	10	30	1,461.8	Ring, Drum	Cut length					1,554
40	2.5	710	Numbers		384	10	32	1,808.7	Drum	500	1,130.85	890	1,400	500	956

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