

Power cable

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

NYCY

0.6/1 kV



According to VDE 0276 part 603 and 627.

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		

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 U ₀	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		

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 identification	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent 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)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	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	Colour	315		168	2.5	14	264.29	Drum	500	752	602.02	419	2,000	132
2	4	Colour			192	4	16	356.01	Ring, Drum	Cut length					356
2	4	Colour	450			4	16	356.01	Drum	500	900	225.01	690	500	178
2	6	Colour		Yes	204	6	17	433.14	Ring, Drum	Cut length					433
2	6	Colour	450			6	17	433.14	Drum	500	900	263.57	690	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	Colour	315		156	1.5	13	230.99	Drum	500	752	535.42	419	2,000	116
3	2.5	Colour			168	2.5	14	284.1	Ring, Drum	Cut length					284
3	2.5	Colour			168	2.5	14	284.1	Ring, Drum	Cut length					284
3	2.5	Colour	315		168	2.5	14	284.1	Drum	500	710	169.05	462	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

Product									Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Core identification	Kerndurchmesser	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)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
3	6	Colour			216	6	18	495.97	Ring, Drum	Cut length					496
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	Colour	400		168	1.5	14	261.11	Drum	500	800	161.56	520	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	Colour	315	No	180	2.5	15	324.96	Drum	500	800	194.48	462	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
5	2.5	Colour			192	2.5	16	368.21	Ring, Drum	Cut length					368
5	2.5	Colour			192	2.5	16	368.21	Ring, Drum	Cut length					368
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	Numbers	500		240	4	20	639	Drum	500	1,000	390.5	710	500	320
10	1.5	Numbers			216	2.5	18	464.9	Ring, Drum	Cut length					465

Product									Packaging						
Number of cores	Nominal cross section conductor (in mm ²)	Core identification	Kerndurchmesser	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permanent 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)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
10	2.5	Numbers			240	4	21	613.35	Ring, Drum	Cut length					673
12	1.5	Numbers			228	2.5	19	526.44	Ring, Drum	Cut length					526
12	1.5	Numbers	450		228	2.5	19	526.44	Drum	500	900	310.22	690	500	263
12	2.5	Numbers			252	4	21	697.54	Ring, Drum	Cut length					762
12	2.5	Numbers			252	4	21	697.54	Ring, Drum	Cut length					762
12	2.5	Numbers	500		252	4	21	697.54	Drum	500	1,000	451.88	710	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	Numbers			276	6	23	856.21	Ring, Drum	Cut length					927
16	2.5	Numbers	630		276	6	23	856.21	Drum	500	1,250	607.45	890	500	463
19	1.5	Numbers			264	4	22	722.33	Ring, Drum	Cut length					790
19	1.5	Numbers	630		264	4	22	722.33	Drum	500	1,250	538.82	890	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	Numbers	630		300	6	25	923.37	Drum	500	1,250	644.2	890	500	500
24	2.5	Numbers			324	10	27	1,281	Ring, Drum	Cut length					1,368
24	2.5	Numbers			324	10	27	1,281	Ring, Drum	Cut length					1,368
24	2.5	Numbers	630			10	27	1,281	Drum	500	1,250	827.79	890	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	Numbers	710		384	10	32	1,808.7	Drum	500	1,400	1,130.85	890	500	956