

Power cable

Power cable, PVC insulated, copper conductor

NYY-0

0.6/1 kV



According to VDE 0276 part 603 and 627.

Characteristics	Properties	Unit
Conductor material	Copper	
Conductor surface	Bare	
Core identification according to HD 308 S2		
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	No	

Characteristics	Properties	Unit
Inner semi-conducting layer	No	
Outer semi-conducting layer	No	
Screen	No	
Concentric conductor	None	
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		
Certified as airport lighting cable		
max. short circuit temperature	160	°C
Insulation	PVC	

Product										Packaging							
Number of cores (in Stick)	Nominal cross section conductor (in mm ²)	Conductor category	Core identification	Kerndurchmesser	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)	Shape of conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1	4	Class 1 = solid	Colour			120	15	8	Round	101.82	Ring, Drum	Cut length					102
1	4	Class 1 = solid	Colour	150		120	15	8	Round	101.82	Drum	250	450	367.86	419	3,000	25
1	4	Class 1 = solid	Colour	150		120	15	8	Round	101.82	Drum	1000	500	1,076	419	10,000	102
1	6	Class 1 = solid	Colour			135	15	9	Round	124.58	Ring, Drum	Cut length					125
1	10	Class 1 = solid	Colour			150	15	10	Round	168.13	Ring, Drum	Cut length					169
1	10	Class 1 = solid	Colour			150	15	10	Round	168.13	Ring, Drum	Cut length					169
1	10	Class 1 = solid	Colour	355		150	15	10	Round	168.13	Drum	500	710	109.85	520	501	85
1	16	Class 1 = solid	Colour			165	15	11	Round	229.72	Ring, Drum	Cut length					230
1	16	Class 1 = solid	Colour			165	15	11	Round	229.72	Ring, Drum	Cut length					230
1	16	Class 1 = solid	Colour	355		165	15	11	Round	229.72	Drum	500	710	140.09	520	501	115
1	25	Class 2 = stranded	Colour		No	195	15	13	Round	348.56	Ring, Drum	Cut length					349
1	25	Class 2 = stranded	Colour			195	15	13	Round	348.56	Ring, Drum	Cut length					349
1	25	Class 2 = stranded	Colour	200		195	15	13	Round	348.56	Ring	50	390	859.34	84	2,400	17
1	25	Class 2 = stranded	Colour	200		195	15	13	Round	348.56	Ring	100	430	719.92	129	2,000	35
1	25	Class 2 = stranded	Colour	315		195	15	13	Round	348.56	Drum	500	710	201.28	462	500	174
1	35	Class 2 = stranded	Colour			210	15	14	Round	448.08	Ring, Drum	Cut length					448
1	35	Class 2 = stranded	Colour			210	15	14	Round	448.08	Ring, Drum	Cut length					448
1	35	Class 2 = stranded	Colour	400		210	15	14	Round	448.08	Drum	500	800	255.04	520	500	224
1	50	Class 2 = stranded	Colour			225	15	15	Round	583.51	Ring, Drum	Cut length					584
1	50	Class 2 = stranded	Colour			225	15	15	Round	583.51	Ring, Drum	Cut length					584
1	50	Class 2 = stranded	Colour	300		225	15	15	Round	583.51	Ring	50	430	635.49	142	1,050	29

Product											Packaging						
Number of cores (in Stck)	Nominal cross section conductor (in mm²)	Conductor category	Core identification	Kerndurchmesser	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)	Shape of conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1	50	Class 2 = stranded	Colour	300		225	15	15	Round	583.51	Ring	100	590	956.42	104	1,600	58
1	50	Class 2 = stranded	Colour	315		225	15	15	Round	583.51	Drum	500	800	323.76	462	500	292
1	50	Class 2 = stranded	Colour	315		225	15	15	Round	583.51	Drum	500	800	323.76	462	500	292
1	70	Class 2 = stranded	Colour			255	15	17	Round	795.85	Ring, Drum	Cut length					796
1	70	Class 2 = stranded	Colour	300		255	15	17	Round	795.85	Ring	50	470	739.07	131	900	40
1	70	Class 2 = stranded	Colour	450		255	15	17	Round	795.85	Drum	500	900	444.93	690	500	398
1	95	Class 2 = stranded	Colour			285	15	19	Round	1,067.1	Ring, Drum	Cut length					1,067
1	95	Class 2 = stranded	Colour	450		285	15	19	Round	1,067.1	Drum	500	900	580.55	690	500	534
1	120	Class 2 = stranded	Colour			300	15	20	Round	1,296.2	Ring, Drum	Cut length					1,296
1	120	Class 2 = stranded	Colour	500		300	15	20	Round	1,296.2	Drum	500	1,000	719.1	710	500	648
1	150	Class 2 = stranded	Colour		No	330	15	22	Round	1,591.9	Ring, Drum	Cut length					1,592
1	150	Class 2 = stranded	Colour	500		330	15	22	Round	1,591.9	Drum	500	1,000	866.95	710	500	796
1	185	Class 2 = stranded	Colour		No	360	15	24	Round	1,954.1	Ring, Drum	Cut length					1,954
1	185	Class 2 = stranded	Colour	630	No	360	15	24	Round	1,954.1	Drum	500	1,250	1,121.05	890	500	977
1	240	Class 2 = stranded	Colour		No	405	15	27	Round	2,525.2	Ring, Drum	Cut length					2,525
1	240	Class 2 = stranded	Colour	630		405	15	27	Round	2,525.2	Drum	500	1,250	1,406.6	890	500	1,263
1	300	Class 2 = stranded	Colour			450	15	30	Round	3,150.1	Ring, Drum	Cut length					3,150
1	300	Class 2 = stranded	Colour	630			15	30	Round	3,150.1	Drum	500	1,250	1,719.05	890	500	1,575
1	400	Class 2 = stranded	Colour			510	15	34	Round	3,994.4	Ring, Drum	Cut length					3,994
1	400	Class 2 = stranded	Colour			510	15	34	Round	3,994.4	Ring, Drum	Cut length					3,994
1	400	Class 2 = stranded	Colour	710			15	34	Round	3,994.4	Drum	500	1,400	2,172.2	890	500	1,997

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Number of cores (in Stck)	Nominal cross section conductor (in mm²)	Conductor category	Core identification	Kerndurchmesser	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)	Shape of conductor	Weight (in kg/km)	Packing	Individual length (in m)	Außendurchmesser	Bruttogewicht pro Paletteinheit	Höhe	Paletteinheit	Net weight (in kg)
1	500	Class 2 = stranded	Colour			555	15	37	Round	5,096.4	Ring, Drum	Cut length					5,096
4	6	Class 1 = solid	Colour			192	12	16	Round	468.89	Ring, Drum	Cut length					469
4	10	Class 1 = solid	Colour			228	12	19	Round	687.34	Ring, Drum	Cut length					693
4	10	Class 1 = solid	Colour			228	12	19	Round	687.34	Ring, Drum	Cut length					693
4	10	Class 1 = solid	Colour	300		228	12	19	Round	687.34	Ring	50	590	646.28	83	900	35
4	10	Class 1 = solid	Colour			228	12	19	Round	687.34	Ring	100		646.28		900	69
4	10	Class 1 = solid	Colour	450		228	12	19	Round	687.34	Drum	500	900	393.38	690	500	346
4	16	Class 1 = solid	Colour			240	12	20	Round	930.78	Ring, Drum	Cut length					931
4	16	Class 1 = solid	Colour			240	12	20	Round	930.78	Ring, Drum	Cut length					931
4	16	Class 1 = solid	Colour			240	12	20	Round	930.78	Ring	50		674.35		700	47
4	16	Class 1 = solid	Colour	500		240	12	20	Round	930.78	Drum	500	1,000	536.39	710	500	465
4	25	Class 2 = stranded	Colour			300	12	25	Round	1,450.4	Ring, Drum	Cut length					1,450
4	25	Class 2 = stranded	Colour	630		300	12	25	Round	1,450.4	Drum	500	1,250	869.2	890	500	725
4	35	Class 2 = stranded	Colour		No	300	12	25	Sector-shaped	1,697	Ring, Drum	Cut length					1,697
4	35	Class 2 = stranded	Colour	630		300	12	25	Sector-shaped	1,697	Drum	500	1,250	992.5	890	500	849
4	50	Class 2 = stranded	Colour			360	12	30	Sector-shaped	2,357	Ring, Drum	Cut length					2,357
4	50	Class 2 = stranded	Colour	630		360	12	30	Sector-shaped	2,357	Drum	500	1,250	1,322.5	890	500	1,179
4	70	Class 2 = stranded	Colour			396	12	33	Sector-shaped	3,141.9	Ring, Drum	Cut length					3,142
4	95	Class 2 = stranded	Colour			444	12	37	Sector-shaped	4,301.3	Ring, Drum	Cut length					4,301
4	120	Class 2 = stranded	Colour			516	12	43	Sector-shaped	5,438.7	Ring, Drum	Cut length					5,439
4	150	Class 2 = stranded	Colour			516	12	43	Sector-shaped	6,245.2	Ring, Drum	Cut length					6,245

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4	185	Class 2 = stranded	Colour			612	12	51	Sector-shaped	8,243.5	Ring, Drum	Cut length					8,244
4	240	Class 2 = stranded	Colour			660	12	55	Sector-shaped	10,176	Ring, Drum	Cut length					10,176
4	300	Class 2 = stranded	Colour			720	12	60	Sector-shaped	12,509	Ring, Drum	Cut length					12,509
7	1.5	Class 1 = solid	Numbers			168	12	14	Round	289.27	Ring, Drum	Cut length					289
7	1.5	Class 1 = solid	Numbers			168	12	14	Round	289.27	Ring, Drum	Cut length					289