Power cable

NYY-J

Power cable, PVC insulated, copper conductor

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	Yes	
Laminated sheath	No	
Fibre optic elements	No	
Protective conductor	Yes	

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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	
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
max. short circuit temperature	160	°C
Insulation	PVC	

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Product											Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter ap prox. (in mm)	Shape of conductor	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
1	6	Class 1 = solid		Colour		135	15	9	Round	124.58	Ring, Drum	Cut length					125
1	6	Class 1 = solid	200	Colour		135	15	9	Round	124.58	Ring	50	620.78	51	360	4,800	6
1	6	Class 1 = solid	200	Colour	No	135	15	9	Round	124.58	Ring	100	770.28	82	390	6,000	12
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	150	Colour		150	15	10	Round	168.13	Drum	500	1,078.62	419	450	6,000	85
1	16	Class 1 = solid		Colour		165	15	11	Round	229.72	Ring, Drum	Cut length					230
1	16	Class 1 = solid		Colour	Yes	165	15	11	Round	229.72	Ring, Drum	Cut length					230
1	16	Class 1 = solid	200	Colour		165	15	11	Round	229.72	Ring	50	505.21	59	390	2,100	11
1	16	Class 1 = solid		Colour		165	15	11	Round	229.72	Ring	100	849.79			3,600	23
1	16	Class 1 = solid	315	Colour		165	15	11	Round	229.72	Drum	500	141.86	462	710	500	115
1	25	Class 2 = stranded		Colour		195	15	13	Round	348.56	Ring, Drum	Cut length					349
1	25	Class 2 = stranded	200	Colour		195	15	13	Round	348.56	Ring	50	859.34	84	390	2,400	17
1	25	Class 2 = stranded	200	Colour		195	15	13	Round	348.56	Ring	100	719.92	129	430	2,000	35
1	25	Class 2 = stranded	315	Colour		195	15	13	Round	348.56	Drum	500	201.28	462	710	500	174

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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		210	15	14	Round	448.08	Ring	100	67.61			100	45
1	35	Class 2 = stranded	400	Colour		210	15	14	Round	448.08	Drum	500	255.04	520	800	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	No	225	15	15	Round	583.51	Ring, Drum	Cut length					584
1	50	Class 2 = stranded	300	Colour		225	15	15	Round	583.51	Ring	50	635.49	142	430	1,050	29
1	50	Class 2 = stranded	300	Colour		225	15	15	Round	583.51	Ring	100	956.42	104	590	1,600	58
1	50	Class 2 = stranded	315	Colour		225	15	15	Round	583.51	Drum	500	323.76	462	800	500	292
1	70	Class 2 = stranded		Colour		255	15	17	Round	795.85	Ring, Drum	Cut length					796
1	70	Class 2 = stranded	450	Colour		255	15	17	Round	795.85	Drum	500	444.93	690	900	500	398
1	95	Class 2 = stranded		Colour		285	15	19	Round	1,067.1	Ring, Drum	Cut length					1,067

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1	120	Class 2 = stranded		Colour	No	300	15	20	Round	1,296.2	Ring, Drum	Cut length					1,296
1	120	Class 2 = stranded		Colour		300	15	20	Round	1,296.2	Ring, Drum	Cut length					1,296
1	120	Class 2 = stranded	500	Colour			15	20	Round	1,296.2	Drum	500	719.1	710	1,000	500	648
1	150	Class 2 = stranded		Colour		330	15	22	Round	1,591.9	Ring, Drum	Cut length					1,592
1	150	Class 2 = stranded		Colour		330	15	22	Round	1,591.9	Ring, Drum	Cut length					1,592
1	150	Class 2 = stranded		Colour		330	15	22	Round	1,591.9	Ring, Drum	Cut length					1,592
1	150	Class 2 = stranded	630	Colour			15	22	Round	1,591.9	Drum	500	939.95	890	1,250	500	796
1	185	Class 2 = stranded		Colour		360	15	24	Round	1,954.1	Ring, Drum	Cut length					1,954
1	185	Class 2 = stranded		Colour		360	15	24	Round	1,954.1	Ring, Drum	Cut length					1,954
1	185	Class 2 = stranded	630	Colour			15	24	Round	1,954.1	Drum	500	1,121.05	890	1,250	500	977
1	240	Class 2 = stranded		Colour		405	15	27	Round	2,525.2	Ring, Drum	Cut length					2,525
1	240	Class 2 = stranded		Colour		405	15	27	Round	2,525.2	Ring, Drum	Cut length					2,525

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1	240	Class 2 = stranded	630	Colour			15	27	Round	2,525.2	Drum	500	1,406.6	890	1,250	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	630	Colour			15	30	Round	3,150.1	Drum	500	1,719.05	890	1,250	500	1,575
3	1.5	Class 1 = solid	200	Colour	Yes	132	12	11	Round	179.74	Ring	50	508.1	68	390	2,700	9
3	1.5	Class 1 = solid	200	Colour		132	12	11	Round	179.74	Ring	100	669.86	136	390	3,600	18
3	1.5	Class 1 = solid	150	Colour		132	12	11	Round	179.74	Drum	500	583.02	419	500	3,000	90
3	2.5	Class 1 = solid	200	Colour		144	12	12	Round	222.77	Ring	50	624.47	79	390	2,700	11
3	2.5	Class 1 = solid	200	Colour		144	12	12	Round	222.77	Ring	100	691.32	157	390	3,000	22
3	2.5	Class 1 = solid	260	Colour		144	12	12	Round	222.77	Drum	500	486.08	419	600	2,000	111
3	4	Class 1 = solid		Colour		168	12	14	Round	312.52	Ring, Drum	Cut length					313
3	4	Class 1 = solid	300	Colour		168	12	14	Round	312.52	Ring	50	397.82	90	470	1,200	16
3	4	Class 1 = solid	300	Colour		168	12	14	Round	312.52	Ring	100	585.34	91	590	1,800	31
3	4	Class 1 = solid	315	Colour		168	12	14	Round	312.52	Drum	500	183.26	462	710	500	156
3	6	Class 1 = solid		Colour		180	12	15	Round	390.43	Ring, Drum	Cut length					390
3	6	Class 1 = solid		Colour		180	12	15	Round	390.43	Ring, Drum	Cut length					390
3	6	Class 1 = solid	300	Colour		180	12	15	Round	390.43	Ring	50	491.32	144	430	1,200	20
3	6	Class 1 = solid	300	Colour		180	12	15	Round	390.43	Ring	100	647.49	106	590	1,600	39

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Product											Packaging						
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3	6	Class 1 = solid	315	Colour		180	12	15	Round	390.43	Drum	500	854.3	419	752	2,000	195
3	10	Class 1 = solid		Colour		204	12	17	Round	539.12	Ring, Drum	Cut length					543
3	10	Class 1 = solid	450	Colour			12	17	Round	539.12	Drum	500	318.67	690	900	500	272
3	16	Class 1 = solid		Colour		228	12	19	Round	748.97	Ring, Drum	Cut length					749
3	16	Class 1 = solid	450	Colour			12	19	Round	748.97	Drum	500	421.49	690	900	500	374
3	25	Class 2 = stranded		Colour		288	12	24	Round	1,298.6	Ring, Drum	Cut length					1,299
3	35	Class 2 = stranded		Colour		300	12	25	Sector-shaped	1,588	Ring, Drum	Cut length					1,588
3	70	Class 2 = stranded		Colour	No	384	12	32	Sector-shaped	2,865.9	Ring, Drum	Cut length					2,866
3	120	Class 2 = stranded		Colour		504	12	42	Sector-shaped	4,910.3	Ring, Drum	Cut length					4,910
3	150	Class 2 = stranded		Colour		528	12	44	Sector-shaped	5,836.6	Ring, Drum	Cut length					5,837
4	1.5	Class 1 = solid	200	Colour		144	12	12	Round	208.09	Ring	50	584.64	78	390	2,700	10
4	1.5	Class 1 = solid	200	Colour		144	12	12	Round	208.09	Ring	100	647.07	155	390	3,000	21
4	1.5	Class 1 = solid	260	Colour			12	12	Round	208.09	Drum	500	456.58	419	600	2,000	104
4	2.5	Class 1 = solid	200	Colour		156	12	13	Round	261.49	Ring	50	650.38	90	390	2,400	13
4	2.5	Class 1 = solid	200	Colour		156	12	13	Round	261.49	Ring	100	545.78	139	430	2,000	26
4	2.5	Class 1 = solid	260	Colour			12	13	Round	261.49	Drum	500	563.38	419	600	2,000	131

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4	4	Class 1 = solid		Colour		180	12	15	Round	371.18	Ring, Drum	Cut length					371
4	4	Class 1 = solid	300	Colour		180	12	15	Round	371.18	Ring	50	468.22	144	430	1,200	19
4	4	Class 1 = solid	300	Colour		180	12	15	Round	371.18	Ring	100	616.69	106	590	1,600	37
4	4	Class 1 = solid	315	Colour		180	12	15	Round	371.18	Drum	500	217.59	462	800	500	186
4	4	Class 1 = solid	315	Colour		180	12	15	Round	371.18	Drum	500	815.8	419	752	2,000	186
4	6	Class 1 = solid		Colour		192	12	16	Round	468.89	Ring, Drum	Cut length					469
4	6	Class 1 = solid	300	Colour		192	12	16	Round	468.89	Ring	50	444.8	122	470	900	23
4	6	Class 1 = solid	300	Colour		192	12	16	Round	468.89	Ring	100	585.47	124	590	1,200	47
4	6	Class 1 = solid	450	Colour		192	12	16	Round	468.89	Drum	500	281.91	690	900	501	234
4	6	Class 1 = solid	450	Colour		192	12	16	Round	468.89	Drum	500	281.45	690	900	500	234
4	10	Class 1 = solid		Colour		228	12	19	Round	656.36	Ring, Drum	Cut length					662
4	10	Class 1 = solid		Colour		228	12	19	Round	656.36	Ring, Drum	Cut length					662
4	10	Class 1 = solid	300	Colour		228	12	19	Round	656.36	Ring	50	618.31	152	470	900	33
4	16	Class 1 = solid		Colour		240	12	20	Round	928.76	Ring, Drum	Cut length					929
4	16	Class 1 = solid		Colour		240	12	20	Round	928.76	Ring, Drum	Cut length					929
4	16	Class 1 = solid	300	Colour		240	12	20	Round	928.76	Ring	50	672.93	98	590	700	46
4	16	Class 1 = solid	500	Colour		240	12	20	Round	928.76	Drum	500	536.31	710	1,000	501	464

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4	16	Class 1 = solid	500	Colour		240	12	20	Round	928.76	Drum	500	535.38	710	1,000	500	464
4	25	Class 2 = stranded		Colour		300	12	25	Round	1,452.1	Ring, Drum	Cut length					1,452
4	25	Class 2 = stranded	630	Colour		300	12	25	Round	1,452.1	Drum	500	870.05	890	1,250	500	726
4	35	Class 2 = stranded		Colour		300	12	25	Sector-shaped	1,697	Ring, Drum	Cut length					1,697
4	50	Class 2 = stranded		Colour		360	12	30	Sector-shaped	2,357	Ring, Drum	Cut length					2,357
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		528	12	44	Sector-shaped	6,483	Ring, Drum	Cut length					6,483
4	185	Class 2 = stranded		Colour	No	612	12	51	Sector-shaped	8,243.5	Ring, Drum	Cut length					8,244
4	240	Class 2 = stranded		Colour		672	12	56	Sector-shaped	10,501	Ring, Drum	Cut length					10,501
5	1.5	Class 1 = solid	200	Colour		156	12	13	Round	238.32	Ring	50	594.91	89	390	2,400	12
5	1.5	Class 1 = solid	200	Colour		156	12	13	Round	238.32	Ring	100	499.56	137	430	2,000	24
5	1.5	Class 1 = solid	260	Colour		156	12	13	Round	238.32	Drum	500	517.16	419	600	2,000	119

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5	2.5	Class 1 = solid	300	Colour	Yes	168	12	14	Round	302.57	Ring	50	748.97	123	430	2,400	15
5	2.5	Class 1 = solid	200	Colour		168	12	14	Round	302.57	Ring	100	567.43	135	470	1,800	30
5	2.5	Class 1 = solid	315	Colour		168	12	14	Round	302.57	Drum	500	678.58	419	752	2,000	151
5	4	Class 1 = solid		Colour		192	12	16	Round	433.25	Ring, Drum	Cut length					433
5	4	Class 1 = solid		Colour		192	12	16	Round	433.25	Ring, Drum	Cut length					433
5	4	Class 1 = solid	300	Colour		192	12	16	Round	433.25	Ring	50	412.73	122	470	900	22
5	4	Class 1 = solid	300	Colour			12	16	Round	433.25	Ring	100	629.35	124	590	1,400	43
5	4	Class 1 = solid	450	Colour		192	12	16	Round	433.25	Drum	500	263.63	690	900	500	217
5	6	Class 1 = solid		Colour		216	12	18	Round	551.43	Ring, Drum	Cut length					551
5	6	Class 1 = solid		Colour		216	12	18	Round	551.43	Ring, Drum	Cut length					551
5	6	Class 1 = solid	300	Colour		216	12	18	Round	551.43	Ring	50	519.09	143	470	900	28
5	6	Class 1 = solid		Colour			12	18	Round	551.43	Ring	100	574.23			1,000	55
5	6	Class 1 = solid	450	Colour		216	12	18	Round	551.43	Drum	500	322.72	690	900	500	276
5	10	Class 1 = solid		Colour		240	12	20	Round	778.69	Ring, Drum	Cut length					785
5	10	Class 1 = solid		Colour		240	12	20	Round	778.69	Ring, Drum	Cut length					785
5	10	Class 1 = solid	300	Colour	Yes	240	12	20	Round	785.36	Ring	50	729.62	91	590	900	39
5	10	Class 1 = solid	400	Colour			12	20	Round	778.69	Drum	250	227.34	520	800	250	196

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5	10	Class 1 = solid	450	Colour		240	12	20	Round	778.69	Drum	500	439.68	690	900	500	393
5	16	Class 1 = solid		Colour		264	12	22	Round	1,122.3	Ring, Drum	Cut length					1,122
5	16	Class 1 = solid		Colour		264	12	22	Round	1,122.3	Ring, Drum	Cut length					1,122
5	16	Class 1 = solid	300	Colour	Yes	264	12	22	Round	1,122.3	Ring	25	612.01	114	470	525	28
5	16	Class 1 = solid	300	Colour		264	12	22	Round	1,122.3	Ring	50	696.18	116	590	600	56
5	16	Class 1 = solid	450	Colour		264	12	22	Round	1,122.3	Drum	250	327.58	690	900	250	281
5	16	Class 1 = solid	500	Colour		264	12	22	Round	1,122.3	Drum	500	632.15	710	1,000	500	561
5	25	Class 2 = stranded		Colour		336	12	28	Round	1,757.8	Ring, Drum	Cut length					1,725
5	25	Class 2 = stranded		Colour		336	12	28	Round	1,757.8	Ring, Drum	Cut length					1,725
5	25	Class 2 = stranded	500	Colour		336	12	28	Round	1,757.8	Drum	250	504	710	1,000	251	431
5	25	Class 2 = stranded	500	Colour		336	12	28	Round	1,757.8	Drum	250	502.28	710	1,000	250	431
5	25	Class 2 = stranded	630	Colour		336	12	28	Round	1,757.8	Drum	500	1,006.55	890	1,250	500	863
5	35	Class 2 = stranded		Colour		372	12	31	Round	2,314.1	Ring, Drum	Cut length					2,268
5	35	Class 2 = stranded	710	Colour		372	12	31	Round	2,314.1	Drum	500	1,309	890	1,400	500	1,134

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NYY-J

Status: 24.11.2026
Subject to technical alterations

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Product											Packaging						
Number of cores	Nominal cross section conductor (in mm²)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane installation (in mm)	Minimum bending radius (in x Außen-Ø)	Outer diameter ap prox. (in mm)	Shape of conductor	Weight (in kg/km)	Packing	Individual length (in m)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
5	50	Class 2 = stranded		Colour	No	420	12	35	Round	3,129.3	Ring, Drum	Cut length					3,129
5	70	Class 2 = stranded		Colour	No		12	40	Round	4,314.2	Ring, Drum	Cut length					4,314
5	95	Class 2 = stranded		Colour		564	12	47	Round	5,904.6	Ring, Drum	Cut length					5,905
5	120	Class 2 = stranded		Colour		600	12	50	Round	7,165.7	Ring, Drum	Cut length					7,166
5	150	Class 2 = stranded		Colour			12	56	Round	8,991.43	Ring, Drum	Cut length					8,991
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
7	1.5	Class 1 = solid	300	Numbers		168	12	14	Round	289.27	Ring	50	485.63	120	430	1,600	14
7	1.5	Class 1 = solid	300	Numbers		168	12	14	Round	289.27	Ring	100	543.49	88	590	1,800	29
7	1.5	Class 1 = solid	355	Numbers		168	12	14	Round	289.27	Drum	500	169.64	520	710	500	145
7	1.5	Class 1 = solid	315	Numbers		168	12	14	Round	289.27	Drum	500	651.98	419	752	2,000	145
7	1.5	Class 1 = solid	630	Numbers		168	12	14	Round	289.27	Drum	2000	722.54	890	1,250	2,000	579
7	2.5	Class 1 = solid		Numbers		180	12	15	Round	373.65	Ring, Drum	Cut length					374
7	2.5	Class 1 = solid		Numbers		180	12	15	Round	373.65	Ring, Drum	Cut length					374
7	2.5	Class 1 = solid	300	Numbers		180	12	15	Round	373.65	Ring	50	471.18	142	430	1,200	19

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Product											Packaging						
Number of cores	Nominal cross section conductor (in mm^2)	Conductor category	Core diameter	Core identification	Longitudinal water blocking conductors	Min. permitted bending radius, stationary application/permane 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)	Bruttogewicht pro Paletteinheit	Height	Outer diameter	pallet unit	Net weight (in kg)
7	2.5	Class 1 = solid	315	Numbers		180	12	15	Round	373.65	Drum	500	820.74	419	752	2,000	187
7	4	Class 1 = solid		Numbers		216	12	18	Round	540.81	Ring, Drum	Cut length					541
7	4	Class 1 = solid		Numbers		216	12	18	Round	540.81	Ring, Drum	Cut length					541
7	4	Class 1 = solid	450	Numbers			12	18	Round	540.81	Drum	500	317.41	690	900	500	270

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