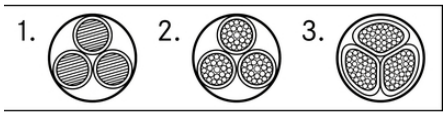
NYY-J, NYY-O

Fixed installation, PVC cable for direct burial with different application areas

NYY-J, NYY-O, VDE, PVC power cable according to HD603 / VDE 0276-603. Cable for direct burial and building installation and fixed installation with various applications

Info

Standard cable for direct burial with different application areas
0.6/1.0 kV alternative to the PVC installation cable NYM



Suitable for outdoor use

Application range

Power and control cable for fixed installation in the following applications:
For indoor and outdoor use
Burial without additional, suitable underground protection according to VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial: Normal minimum installation depth 0.6 m, but at least 0.8 m under roads
In concrete with a temperature below the maximum cable operating temperature of +70°C according to the VDE standard HD 603/VDE 0276-603 - part 3-G (point 4) governing PVC cables for direct burial
In water: no longer than 2 weeks at a time, maximum submersion depth 10 metres, only in static water/bodies of water without shipping traffic

Product features

Flame-retardant according to IEC 60332-1-2
Current load capacity according to HD 603/VDE 0276-603, part 3-G, table 14 (buried at +20°C ground temperature according to HD 603/VDE 0276-603, part 3-G, point 5) for routing underground and table 15 (in the air at an air temperature of +30°C according to HD 603/VDE 0276-603, part 3-G, point 5) when used outdoors; but always taking into consideration corrections/reductions to the current load capacity that may be necessary according to VDE 0298-4, and VDE 0298-4 (also refer to the catalogue appendix T12) for installation in and on buildings

NYY-J, NYY-O

Norm references / approvals
HD 603/VDE 0276-603 (for 1 to 5 cores)
HD 627/VDE 0276-627 (from 7 cores)

Design
Bare copper wire conductor
Abbreviations "re", "rm", "se", "sm":
r = round conductor form;
s = sector-shaped conductor;
e = single-wire conductor;
m = multi-wire conductor;
PVC-based core insulation
Filling compound over the core assembly
Outer sheath based on PVC

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Power cable
Core identification code:	Up to 5 cores: according to VDE 0293-308 (appendix T9) From 6 cores: black with white numbers
Conductor design:	Single or multi-wire
Minimum bending radius:	Single core: 15 x outer diameter Multi-core: 12 x outer diameter
Nominal voltage:	U_0/U: 0.6/1.0 kV
Test voltage:	4000 V
Protective conductor:	J = with GN-YE protective conductor O = without protective conductor
Temperature range:	During laying: -5°C to +50°C Fixed installation: -40°C to +70°C

Note
Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they available and have been released for publication.

Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
NYY-J				
1550030	1 x 25rm	13	240	380
1550038	1 x 35rm	14	336	447
1550032	1 x 50rm	15	480	650
1550033	1 x 70rm	17	672	864
1550037	1 x 185rm	25	1776	2080
15500013	3 x 1,5re	12	43	223
15500023	4 x 1,5re	13	58	256
15500033	5 x 1,5re	14	72	293
1550004	7 x 1,5re	15	101	360
1550005	10 x 1,5re	18	144	520
1550006	12 x 1,5re	19	173	560
1550084	14 x 1,5re	20	202	620
1550007	16 x 1,5re	21	230	680
1550008	19 x 1,5re	22	274	760
1550009	24 x 1,5re	24	346	900
1550086	30 x 1,5re	26	432	1100
15500103	3 x 2,5re	13	72	272
15500113	4 x 2,5re	14	96	316
15500123	5 x 2,5re	15	120	323
1550013	7 x 2,5re	16	168	450
1550090	10 x 2,5re	20	240	630
1550091	12 x 2,5re	20	288	680
1550092	14 x 2,5re	21	336	790
1550094	19 x 2,5re	23	456	990
1550096	24 x 2,5re	26	576	1300
1550097	30 x 2,5re	28	720	1400
15500583	3 x 4re	15	115	373
15500203	4 x 4re	16	154	439
15500263	5 x 4re	17	192	510
15500593	3 x 6re	16	173	466
15500213	4 x 6re	17	230	547
15500273	5 x 6re	19	288	640
15500603	3 x 10re	18	288	629

Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
15500223	4 x 10re	19	384	743
15500823	5 x 10re	21	480	899
15500613	3 x 16re	20	461	850
15500233	4 x 16re	22	614	1039
15500833	5 x 16re	23	768	1240
15500713	3 x 25rm/16re	25	874	1595
15500243	4 x 25rm	27	960	1620
15500153	3 x 35sm/16re	27	1162	1718
15500753	4 x 35sm	27	1344	1916
15500163	3 x 50sm/25rm	31	1680	2383
15500253	4 x 50sm	31	1920	2639
15500173	3 x 70sm/35sm	33	2352	3196
15500763	4 x 70sm	35	2688	3576
15500183	3 x 95sm/50sm	38	3216	4271
15500773	4 x 95sm	40	3648	4746
15500723	3 x 120sm/70sm	41	4128	5281
15500783	4 x 120sm	43	4608	5813
15500733	3 x 150sm/70sm	46	4992	6408
15500793	4 x 150sm	48	5760	7263
15500743	3 x 185sm/95sm	50	6240	7909
15500803	4 x 185sm	53	7104	8905
15500193	3 x 240sm/120sm	57	8064	10162
15500813	4 x 240sm	60	9216	11430
NYY-O				
1550205	1 x 10re	10	96	176
1550206	1 x 16re	11	154	239
1550207	1 x 25rm	13	240	380
1550208	1 x 35rm	14	336	447
1550209	1 x 50rm	15	480	650
1550210	1 x 70rm	17	672	864
1550211	1 x 95rm	19	912	1132
1550212	1 x 120rm	21	1152	1405
1550213	1 x 150rm	22	1440	1710
1550214	1 x 185rm	25	1776	2080

Article number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1550215	1 x 240rm	27	2304	2669
1550216	1 x 300rm	30	2880	3305
1550218	1 x 500rm	39	4800	5400
15502003	2 x 1,5re	11	29	210
15502193	2 x 2,5re	12	48	250
15502203	2 x 4re	14	77	360
15502213	2 x 6re	15	115	400
15502223	2 x 10re	17	192	500
15502533	4 x 16re	22	614	1039
15502543	4 x 25rm	27	960	1620
15502563	4 x 50sm	31	1920	2639
15502573	4 x 70sm	35	2688	3576
15502583	4 x 95sm	40	3648	4746