NYY-J, NYY-O

Fixed, buried PVC cable with different application areas

Application range

- As a fixed installation power and control cable for the following applications:
- For indoor- and outdoor use
- Direct burial
- In concrete
- In water

Product features

- Flame retardant according to IEC 60332-1-2
- Power rating acc. to HD 603 part 3G for outdoor laying and as per VDE 0298 part 4 (see also appendix T12) for laying in and on buildings

Approvals (Norm references)

CE VDE RoHS

Design

- Conductor of bare copper wires
- Core insulation: Based on PVC
- Filling compound over the core assembly
- PVC based outer sheath

Technical data

Core identification code
Up to 5 cores: according to VDE 0293-308 (appendix T9)
Starting at 6 cores: Black with white numbers

Approvals
VDE 0276 Part 603 (for 1-5 cores)
VDE 0276 Part 627 (from 7 cores)

Conductor stranding
Single or multi-wire

Minimum bending radius
Single core: 15 x outer diameter
multi-core: 12 x outer diameter

Rated voltage
U_0/U: 0,6/1,0 kV

Test voltage
4000 V

Range of temperature
For installation: +5°C up to +50°C
Fixed installation: -40°C up to +70°C

Part number	Number of cores and mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
NYY-J				
1550030	1 x 25,0 rm	13.0	240.0	380
1550038	1 x 35,0 rm	14.0	336.0	447
1550032	1 x 50,0 rm	15.0	480.0	650
1550033	1 x 70,0 rm	17.0	672.0	864
1550037	1 x 185,0 rm	26.0	1,776.0	2,000
15500013	3 x 1,5 re	12.0	43.0	223
15500023	4 x 1,5 re	13.0	58.0	256
15500033	5 x 1,5 re	14.0	72.0	293
1550004	7 x 1,5 re	15.0	101.0	360
1550005	10 x 1,5 re	18.0	144.0	520
1550006	12 x 1,5 re	19.0	173.0	560
1550084	14 x 1,5 re	20.0	202.0	620
1550007	16 x 1,5 re	21.0	230.0	680
1550008	19 x 1,5 re	22.0	274.0	760
1550009	24 x 1,5 re	24.0	346.0	900
1550086	30 x 1,5 re	26.0	432.0	1,100
15500103	3 x 2,5 re	13.0	72.0	272
15500113	4 x 2,5 re	14.0	96.0	316
15500123	5 x 2,5 re	15.0	120.0	323
1550013	7 x 2,5 re	16.0	168.0	450
1550090	10 x 2,5 re	20.0	240.0	630
1550091	12 x 2,5 re	20.0	288.0	680
1550092	14 x 2,5 re	21.0	336.0	790
1550094	19 x 2,5 re	23.0	456.0	990
1550096	24 x 2,5 re	26.0	576.0	1,300
1550097	30 x 2,5 re	28.0	720.0	1,400
15500583	3 x 4,0 re	15.0	115.0	373
15500203	4 x 4,0 re	16.0	154.0	439
15500263	5 x 4,0 re	17.0	192.0	510
15500593	3 x 6,0 re	16.0	173.0	466
15500213	4 x 6,0 re	17.0	230.0	547
15500273	5 x 6,0 re	19.0	288.0	640
15500603	3 x 10,0 re	18.0	288.0	629
15500223	4 x 10,0 re	19.0	384.0	743
15500823	5 x 10,0 re	21.0	480.0	899
15500613	3 x 16,0 re	20.0	461.0	850
15500233	4 x 16,0 re	22.0	614.0	1,039
15500833	5 x 16,0 re	23.0	768.0	1,240
15500713	3 x 25,0 rm/ 16,0 re	25.0	874.0	1,595
15500243	4 x 25,0 rm	27.0	960.0	1,620
15500153	3 x 35,0 sm/ 16,0 re	27.0	1,162.0	1,718
15500753	4 x 35,0 sm	27.0	1,344.0	1,916
15500163	3 x 50,0 sm/ 25,0 rm	31.0	1,680.0	2,383
15500253	4 x 50,0 sm	31.0	1,920.0	2,639
15500173	3 x 70,0 sm/ 35,0 sm	33.0	2,352.0	3,196
15500763	4 x 70,0 sm	35.0	2,688.0	3,576
15500183	3 x 95,0 sm/ 50,0 sm	38.0	3,216.0	4,271
15500773	4 x 95,0 sm	40.0	3,648.0	4,746
15500723	3 x 120,0 sm/ 70,0 sm	41.0	4,128.0	5,281
15500783	4 x 120,0 sm	43.0	4,608.0	5,813
15500733	3 x 150,0 sm/ 70,0 sm	46.0	4,992.0	6,408
15500793	4 x 150,0 sm	48.0	5,760.0	7,263
15500743	3 x 185,0 sm/ 95,0 sm	50.0	6,240.0	7,909
15500803	4 x 185,0 sm	53.0	7,104.0	8,905

Copper price basis: Excluding Copper; For utilization and definition of ‚Metal price basis' and ‚Metal index' see Appendix T17