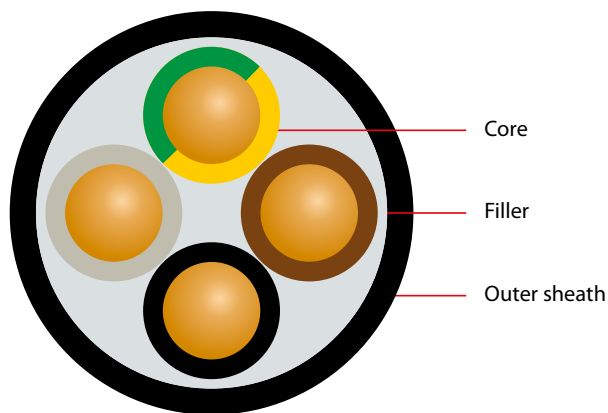


# NYY-O/J 0.6/1 kV

acc. to VDE 0276-603



## APPLICATION

Power cables for energy supply are installed outdoors, underground, in water, in concrete, indoors, in cable ducts, in power stations, for industry and distribution boards as well as in subscriber networks, where mechanical damage is not to be expected.

## CONSTRUCTION

**Conductor:** copper, bare, single-wire or multi-wire

**Core insulation:** PVC DIV 4

**Core identification:** colours acc. to DIN VDE 0293

**Core stranding:** cores twisted to layers

**Outer sheath:** PVC DMV 5 flame retardant; colour: black

## BEHAVIOUR UNDER FIRE CONDITIONS

Flame retardant: VDE 0482-332-1-2/IEC 60332-1

## ELECTRICAL CHARACTERISTICS

Nominal voltage  $U_0 / U$  0.6/1 kV

Test voltage 4 kV

## THERMAL & MECHANICAL PROPERTIES

Temperature range during installation -5°C to +50°C

Temperature range stationary -40°C to +70°C

Bending radius single-wire 15 x Diameter

Bending radius multi-wire 12 x diameter

## CONDUCTOR TYPES

(acc. to DIN VDE 0295)

RE round, single-wire

RM round, multi-wire

RMv round, multi-wire, compressed SM sectorial form, multi-wire

SMv sectorial form, multi-wire, compressed

No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
<b>NYY-O</b>				
1 x 1.5	RE	7.0	63	14.4
1 x 2.5	RE	7.9	105	24
1 x 4	RE	9.1	110	38
1 x 4	RM	9.1	110	38
1 x 6	RE	9.5	130	58
1 x 10	RE	10.2	180	96
1 x 16	RE	11.2	240	154
1 x 25	RM	12.2	350	240
1 x 35	RM	13.2	460	336
1 x 50	RMv	15.4	600	480
1 x 70	RMv	16.4	800	672
1 x 95	RMv	18.5	1100	912
1 x 120	RMv	20.5	1350	1152
1 x 150	RMv	22.5	1650	1440
1 x 185	RMv	24.6	2000	1776
1 x 240	RMv	27.6	2600	2304
1 x 300	RMv	29.7	3200	2880
1 x 400	RMv	33.8	4100	3840
1 x 500	RMv	38.0	5200	4800
1 x 630	RMv	42.5	6650	6048
2 x 1.5	RE	11.0	170	29
2 x 2.5	RE	12.0	210	48
2 x 4	RE	14.0	290	77
2 x 6	RE	15.2	360	115
2 x 10	RE	16.6	490	192
2 x 16	RE	19.0	660	307
2 x 25	RM	23.0	940	480
3 x 1.5	RE	11.2	190	43
3 x 2.5	RE	12.2	240	72
3 x 4	RE	14.2	330	115
3 x 6	RE	15.2	420	173
3 x 10	RE	17.3	580	288
3 x 25	RM	24.5	1300	720
3 x 35	SM	22.6	1350	1008
3 x 50	SMv	25.6	1800	1440
3 x 95	SMv	33.8	3300	2736
3 x 150	SMv	39.8	4900	4320
3 x 185	SMv	46.0	6500	5328

Subject to changes due to technical progress and error



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No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km	No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
<b>NYY-O</b>					<b>NYY-J</b>				
4 x 1.5	RE	12.2	220	58	3 x 120	SMv	35.8	4000	3456
4 x 2.5	RE	13.2	290	96	3 x 150	SMv	39.8	4900	4320
4 x 4	RE	15.3	400	154	3 x 185	SMv	46.0	6500	5328
4 x 6	RE	16.3	510	230	3 x 240	SMv	51.0	8300	6912
4 x 10	RE	18.3	720	384	3 x 16/10	RE	21.2	1030	557
4 x 16	RE	21.4	1050	614	3 x 25/16	RM	24.5	1500	874
4 x 25	RM	25.5	1600	960	3 x 35/16	SM	24.5	1700	1162
4 x 35	SM	27.7	1750	1344	3 x 50/25	SMv	28.7	2300	1680
4 x 50	SMv	29.8	2300	1920	3 x 70/35	SMv	31.7	2800	2352
4 x 70	SMv	33.8	3100	2688	3 x 95/50	SMv	37.8	3800	3216
4 x 95	SMv	38.9	4200	3648	3 x 120/70	SMv	41.0	4700	4128
4 x 120	SMv	42.0	5200	4608	3 x 150/70	SMv	45.0	5600	4992
4 x 150	SMv	47.0	6400	5760	3 x 185/95	SMv	50.0	7400	6240
4 x 185	SMv	52.0	8050	7104	3 x 240/120	SMv	57.0	9600	8064
4 x 240	SMv	58.0	11000	9216	4 x 1.5	RE	12.2	220	58
<b>NYY-J</b>					4 x 2.5	RE	13.2	290	96
1 x 4	RE	9.1	110	38	4 x 4	RE	15.3	400	154
1 x 6	RE	9.5	130	58	4 x 6	RE	16.3	510	230
1 x 10	RE	10.2	180	96	4 x 10	RE	18.3	720	384
1 x 16	RE	11.2	240	154	4 x 16	RE	21.4	1050	614
1 x 25	RM	12.2	350	240	4 x 16	RM	21.4	1050	614
1 x 35	RM	13.2	460	336	4 x 25	RM	25.5	1600	960
1 x 50	RMv	15.4	600	480	4 x 35	SM	27.7	1750	1344
1 x 70	RMv	16.4	800	672	4 x 50	SMv	29.8	2300	1920
1 x 95	RMv	18.5	1100	912	4 x 70	SMv	33.8	3100	2688
1 x 120	RMv	20.5	1350	1152	4 x 95	SMv	38.9	4200	3648
1 x 150	RMv	22.5	1650	1440	4 x 120	SMv	42.0	5200	4608
1 x 185	RMv	24.6	2000	1776	4 x 150	SMv	47.0	6400	5760
1 x 240	RMv	27.6	2600	2304	4 x 185	SMv	52.0	8050	7104
1 x 300	RMv	29.7	3200	2880	4 x 240	SMv	58.0	11000	9216
1 x 400	RMv	33.8	4100	3840	4 x 300	SMv	62.4	13127	11520
3 x 1.5	RE	11.2	190	43	5 x 1.5	RE	13.2	270	72
3 x 2.5	RE	12.2	240	72	5 x 2.5	RE	14.2	350	120
3 x 4	RE	14.2	330	115	5 x 4	RE	16.3	480	192
3 x 6	RE	15.2	420	173	5 x 6	RE	18.3	610	288
3 x 10	RE	17.3	580	288	5 x 10	RE	20.4	880	480
3 x 16	RE	19.3	810	461	5 x 16	RE	22.4	1250	768
3 x 25	RM	24.5	1300	720	5 x 25	RM	27.5	1950	1200
3 x 35	SM	22.6	1400	1008	5 x 35	RM	33.6	2400	1680
3 x 50	SMv	25.6	1800	1440	5 x 50	RMv	40.0	3500	2400
3 x 70	SMv	29.7	2400	2016	5 x 70	RMv	42.4	4450	3360
3 x 95	SMv	33.8	3300	2736	5 x 95	RMv	50.0	6134	4560
					5 x 120	RMv	51.3	7483	5760

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