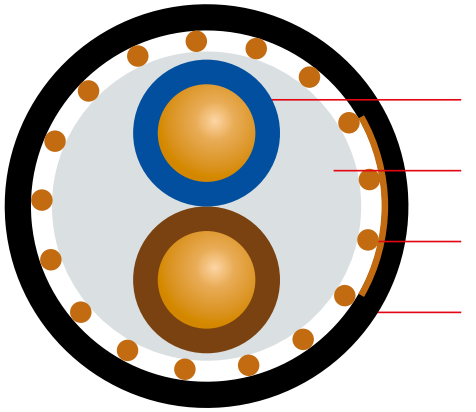
NYCY 0.6/1 kV

acc. to VDE 0276



APPLICATION

Power cables for energy supply are used for industry and distribution boards, power stations, house connecting boxes, street lighting as well as a control cable for the transmission of control impulses and test data. Anywhere where increased electrical and mechanical protection is required. These cables are installed outdoors, underground, in water, in concrete, indoors and in cable ducts.

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
Concentric conductor: copper wires, stranded with cu-tape counter helix
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
2 x 1.5/1.5	RE	13.0	200	52
2 x 2.5/2.5	RE	13.6	260	80
2 x 4/4	RE	15.4	350	123
2 x 6/6	RE	16.9	430	182
2 x 10/10	RE	18.5	520	312
2 x 16/16	RE	20.5	720	489
3 x 1.5/1.5	RE	13.2	220	66
3 x 2.5/2.5	RE	14.2	280	104
3 x 2.5/10	RE	14.4	359	192
3 x 2.5/16	RE		350	240
3 x 4/4	RE	16.3	390	161
3 x 6/6	RE	17.3	500	240
3 x 10/10	RE	20.0	680	408
3 x 16/16	RE	23.0	1010	643
4 x 1.5/1.5	RE	14.2	250	81
4 x 2.5/2.5	RE	15.3	340	128
4 x 4/4	RE	17.3	460	200
4 x 6/6	RE	18.4	580	297
4 x 10/10	RE	21.0	765	504
4 x 16/16	RE	23.0	1060	796
5 x 1.5/1.5	RE	15.0	330	95
5 x 2.5/2.5	RE	16.0	400	152
5 x 4/4	RE	19.0	550	238
5 x 6/6	RE	21.0	700	355
7 x 1.5/2.5	RE	15.3	350	133
7 x 2.5/2.5	RE	17.4	450	200
7 x 4/4	RE	20.0	600	315
7 x 6/6	RE	22.5	790	470
10 x 1.5/2.5	RE	18.4	410	176
10 x 2.5/4	RE	20.4	600	286
10 x 4/6	RE	23.5	900	451
12 x 1.5/2.5	RE	19.4	470	205
12 x 2.5/4	RE	20.5	660	334
12 x 4/6	RE	24.5	1060	528
14 x 1.5/2.5	RE	20.4	520	234
14 x 2.5/6	RE	21.5	750	403
16 x 1.5/4	RE	20.0	620	276
16 x 2.5/6	RE	22.5	800	451
19 x 1.5/4	RE	22.5	660	320
19 x 2.5/6	RE	23.5	940	523
21 x 1.5/6	RE	23.0	790	369
24 x 1.5/6	RE	25.5	850	413
24 x 2.5/10	RE	27.6	1150	696
24 x 4/10	RE	32.3	1813	1042

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No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
NYCY				
30 x 1.5/6	RE	26.5	1020	499
30 x 2.5/10	RE	29.5	1600	840
40 x 1.5/10	RE	30.0	1280	696
40 x 2.5/10	RE	33.0	1660	1080
52 x 1.5/10	RE	32.0	1600	869
52 x 2.5/10	RE	35.0	2000	1368
61 x 1.5/10	RE	33.0	2000	998
61 x 2.5/10	RE	36.0	2280	1584

Subject to changes due to technical progress and error

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