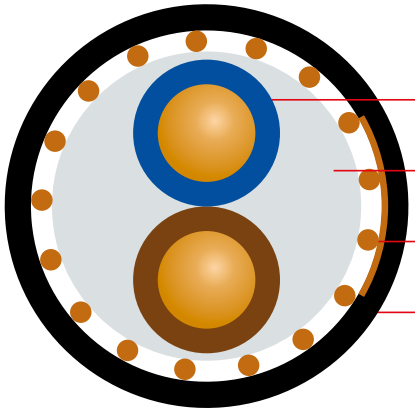
N2XCY 0.6/1kV

acc. to VDE 0276-603



APPLICATION

For indoor and outdoor installation, in the ground, for power stations, industry and distribution boards or subscriber networks, where protection against contact voltage is required in the case of mechanical damage. (See DIN VDE 0298-1.) The core insulation of XLPE allows a higher operating temperature than a comparable cable with PVC core insulation.

CONSTRUCTION

Conductor: copper, bare, single-wire or multi-wire
Core insulation: XLPE (cross-linked polyethylene)
Core identification: colours acc. to DIN VDE 0293
Core stranding: concentric
Concentric Conductor: copper
Outer sheath: PVC; colour: black

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0 / U	0.6/1 kV
Test voltage	4 kV

THERMAL & MECHANICAL PROPERTIES

Operating temperature	-5°C to +90°C
Temperature at conductor max.	+90°C
Bending radius during installation	12 x Diameter
Bending radius stationary	6 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
1 x 6/6	RE	11.0	210	124
1 x 10/10	RE	12.0	290	202
1 x 16/16	RE	13.0	410	322
1 x 16/16	RM	14.0	420	322
1 x 25/16	RM	15.0	525	405
1 x 35/16	RM	17.0	640	504
1 x 50/25	RM	17.0	825	743
1 x 70/35	RM	20.0	1135	1040
1 x 95/50	RM	22.0	1500	1437
1 x 120/70	RM	24.0	1930	1869
1 x 150/70	RM	26.0	2215	2175
1 x 185/95	RM	29.0	2830	2770
1 x 240/120	RM	32.0	3600	3562
1 x 300/150	RM	35.0	4455	4511
2 x 1.5/1.5	RE	14.0	225	56
2 x 2.5/2.5	RE	14.0	285	80
2 x 4/4	RE	15.0	355	123
3 x 1.5/1.5	RE	14.0	255	66
3 x 2.5/2.5	RE	15.0	310	104
3 x 4/4	RE	16.0	395	161
3 x 6/6	RE	17.0	500	240
3 x 10/10	RE	19.0	700	408
3 x 16/16	RE	22.0	970	648
3 x 25/16	RM	27.0	1420	902
3 x 35/16	SM	27.0	1590	1180
3 x 50/25	SM	30.0	2080	1713
3 x 70/35	SM	34.0	2825	2400
3 x 95/50	SM	38.0	3795	3286
3 x 120/70	SM	42.0	4740	4236
3 x 150/70	SM	47.0	5745	5100
3 x 185/95	SM	52.0	7170	6350
3 x 240/120	SM	56.0	9160	8242
4 x 1.5/1.5	RE	15.0	290	81
4 x 2.5/2.5	RE	16.0	350	128
4 x 4/4	RE	17.0	460	200
4 x 6/6	RE	18.0	585	297
4 x 10/10	RE	21.0	825	484
4 x 16/16	RE	24.0	1165	796
4 x 25/16	RM	28.0	1665	1142
4 x 35/16	SM	30.0	1975	1526
4 x 50/25	SM	33.0	2605	2203
4 x 70/35	SM	38.0	3600	3082
4 x 95/50	SM	42.0	4790	4208
4 x 120/70	SM	47.0	6050	5388
4 x 150/70	SM	52.0	7290	6540

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No. of cores and cross section		Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
N2XCY				
4 x 185/95	SM	58.0	9135	8382
4 x 240/120	SM	64.0	11765	10546
5 x 1.5/1.5	RE	16.0	330	95
5 x 2.5/2.5	RE	17.0	405	152
5 x 4/4	RE	18.0	525	238
5 x 6/6	RE	20.0	675	355
5 x 10/10	RE	22.0	975	600
5 x 16/16	RE	25.0	1370	950
5 x 16/16	RM	27.0	1440	950
7 x 1.5/2.5	RE	16.0	375	133
7 x 2.5/2.5	RE	17.0	465	200
7 x 4/4	RE	19.0	615	315
10 x 1.5/2.5	RE	19.0	495	176
10 x 2.5/4	RE	21.0	630	286
10 x 4/6	RE	23.0	855	443
12 x 1.5/2.5	RE	20.0	535	205
12 x 2.5/4	RE	21.0	690	334
12 x 4/6	RE	24.0	945	528
14 x 1.5/2.5	RE	20.0	580	234
14 x 2.5/6	RE	22.0	775	403
14 x 4/6	RE	22.0	1045	619
16 x 2.5/6	RE	24.0	860	451
19 x 1.5/4	RE	22.0	710	320
19 x 2.5/6	RE	24.0	950	523
19 x 4/10	RE	27.0	1325	826
24 x 1.5/6	RE	25.0	890	413
24 x 2.5/10	RE	28.0	1190	696
30 x 1.5/6	RE	27.0	1020	499
30 x 2.5/10	RE	29.0	1325	840
37 x 1.5/6	RE	28.0	1170	612
40 x 1.5/10	RE	29.0	1285	696
40 x 2.5/10	RE	32.0	1660	1080
52 x 2.5/10	RE	36.0	2150	1342

Subject to changes due to technical progress and error