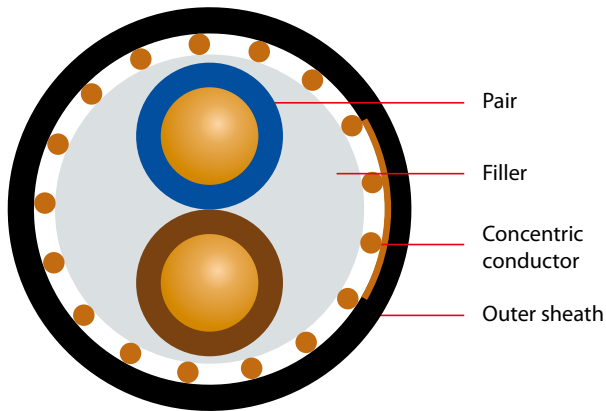


N2XCY 0.6/1kV

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

BEHAVIOUR UNDER FIRE CONDITIONS

Flame retardant: IEC 60332-1-2

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	23.0	1160	796
4 x 25/16	RM	27.0	1650	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

Subject to changes due to technical progress and error



