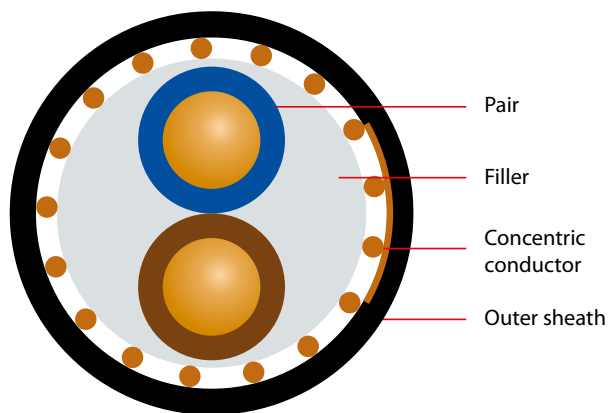


# N2XCH 0.6/1kV

acc. to VDE 0276-604



## APPLICATION

Low-smoke, zero-halogen, flame retardant power cable. For fixed indoor and outdoor installation. Can be placed in concrete. Not for direct burial in earth or application in water.

## 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:** cores twisted to layers

**Concentric conductor:** copper

**Outer sheath:** halogen-free compound; colour: black

## BEHAVIOUR UNDER FIRE CONDITIONS

Zero halogen, non corrosive gases: IEC 60754, DIN EN 50267

Fire retardant: IEC 60332-3-24 cat. C, DIN EN 50266-2-4

Smoke density: IEC 61034, DIN EN 61034

## ELECTRICAL CHARACTERISTICS

Nominal voltage  $U_0 / U$  0.6/1 kV

Test voltage 4 kV

## THERMAL & MECHANICAL PROPERTIES

Temperature during installation -5°C to +70°C

Temperature at conductor max. +90°C

Bending radius stationary 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	12.0	250	52
2 x 2.5/2.5	RE	12.0	280	80
2 x 4/4	RE	14.0	320	123
2 x 6/6	RE	15.0	410	182
2 x 10/10	RE	17.0	550	312
2 x 16/16	RE	19.0	780	489
3 x 1.5/1.5	RE	12.0	250	66
3 x 2.5/2.5	RE	13.0	320	104
3 x 4/4	RE	14.0	400	161
3 x 6/6	RE	16.0	500	240
3 x 10/10	RE	18.0	750	408
3 x 16/16	RE	21.0	1000	643
3 x 25/16	RM	24.0	1600	902
3 x 35/16	SM	27.0	1900	1190
3 x 50/25	SMv	30.0	2400	1723
3 x 70/35	SMv	34.0	2615	2410
3 x 95/50	SMv	38.1	3636	3296
3 x 120/70	SMv	42.5	4606	4236
3 x 150/70	SMv	47.0	5552	5100
3 x 185/95	SMv	50.0	6680	6383
3 x 240/120	SMv	57.1	8964	8242
4 x 1.5/1.5	RE	13.0	235	81
4 x 2.5/2.5	RE	14.0	302	128
4 x 4/4	RE	15.0	411	200
4 x 6/6	RE	17.0	527	297
4 x 10/10	RE	19.0	762	504
4 x 16/16	RE	22.0	1139	796
4 x 25/16	RM	27.0	1634	1142
4 x 35/16	SM	29.0	2080	1526
4 x 50/25	SMv	33.0	2790	2203
4 x 70/35	SMv	41.0	3550	3082
4 x 95/50	SMv	46.0	4800	4208
4 x 120/70	SMv	50.0	6556	5388
4 x 150/70	SMv	55.0	7904	6540
4 x 185/95	SMv	62.0	9950	8159
4 x 240/120	SMv	68.0	12912	10546
5 x 1.5/1.5	RE	14.0	283	95
7 x 1.5/2.5	RE	16.0	380	133
7 x 2.5/2.5	RE	18.0	480	200
7 x 4/4	RE	19.0	650	315
7 x 6/6	RE	20.0	850	470
10 x 2.5/4	RE	18.0	550	286
12 x 1.5/2.5	RE	20.0	550	205
12 x 2.5/4	RE	21.0	750	334

Subject to changes due to technical progress and error



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