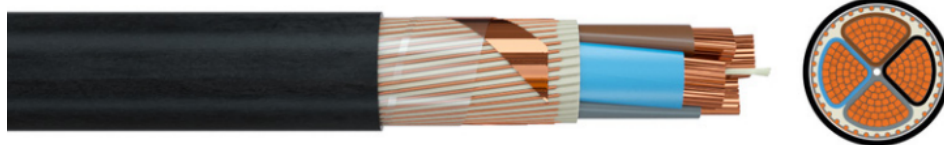


N2XCY Cable 0.6/1kV



Construction

Conductor: Class 2 Stranded Copper

Insulation: XLPE (Cross-Linked Polyethylene)

Filler: PVC (Polyvinyl chloride)

Concentric Conductor: Copper Wires and Copper Tape

Outer Sheath: PVC (Polyvinyl chloride)

Outer Sheath Color: Black

Applications

N2XCY power cables are suitable for fixed installations in indoor and outdoor low-voltage power systems. For indoor installation, the control cable is used in power stations, industrial plants and switching stations; as an underground cable, it is used where installation is difficult and lightweight. It is also suitable for use in environments where there may be a risk of mechanical damage but where the cable is not subjected to systematic mechanical stress or large tensile strains.

Standards

Design Specification: DIN VDE 0276-603 & HD 603 S1

Conductor Standard: IEC 60228 / DIN VDE 0295

Insulation Integrity: IEC 60502-1

Flame Retardancy: IEC 60332-1-2 & DIN VDE 0482-332-1-2

Environmental: RoHS 3.0 & REACH Compliant



Specification

Voltage rating (U ₀ /U)	0.6/1 kV
Test Voltage	3.5kV
Permissible operating temperature of the conductor	+90°C
Max. temperature during short circuit (≤5S)	250°C
Cable laying temperature (not less than)	-5
Min. Bending radius	15x

Technical Data

Number of cores and nominal cross section (mm ²)	Overall diameter appr. (mm)	Copper Weight (kg/km)	Cable weight appr. (kg/km)
2 X 1.5 re / 1.5	13	53	205
2 X 2.5 re / 2.5	13.5	80	270
2 X 4 re / 4	15.5	123	360
2 X 6 re / 6	17	182	435
2 X 10 re / 10	19.5	312	590
2 X 16 re / 16	20.5	489	890
3 X 1.5 re / 1.5	13.5	66	225
3 X 2.5 re / 2.5	14.5	104	290
3 X 4 re / 16	16.5	161	400
3 X 6 re / 6	17.5	240	510
3 X 10 re / 10	20	408	850
3 X 16 re / 16	23	643	1080
3 X 25 rm / 16	25,1	902	1295
3 X 25 rm / 25	25	1003	13785
3 X 35 sm / 16	25.1	1190	1441
3 X 35 sm / 35	25.4	1402	1619
3 X 50 sm / 25	27.3	1723	1902
3 X 50 sm / 50	27.7	2000	2107
3 X 70 sm / 35	32.2	2410	2700
3 X 70 sm / 70	32.7	279630	3005
3 X 95 sm / 50	35.3	3296	3588
3 X 95 sm / 50	35.8	3791	4017
3 X 120 sm / 120	38.9	4786	4998
3 X 120 sm / 70	38.9	4236	4534
3 X 150 sm / 120	43.4	5970	5937
3 X 150 sm / 70	43.4	5100	5473
3 X 185 sm 95	47.4	6383	6831
3 X 240 sm / 120	52.5	8242	8809
4 X 1.5 re / 1.5	14.5	81	260
4 X 2.5 re / 2.5	15.5	128	350
4 X 4 re / 4	17	200	470
4 X 6 re / 6	18.5	297	590
4 X 10 re / 10	21	504	900
4 x 16 re / 16	23	796	1250
4 X 25 re / 16	27.2	1142	1559
4 X 35 sm / 13	27.2	1526	1812
4 X 50 sm / 25	30.6	2203	2413
4 X 70 sm / 35	35.9	3082	3420
4 X 95 sm / 50	39.5	4208	4561
4 X 120 sm / 16	44.5	5388	5819
4 X 150 sm / 70	48.6	6540	6972
5 X 1.5 re / 1.5	15	95	330
5 X 2.5 re / 2.5	16	152	400
5 X 4 re / 4	19	238	560
5 X 6 re / 6	21	355	710
5 X 10 re / 10	23	600	1000
5 X 16 re / 16	24.3	931	1233