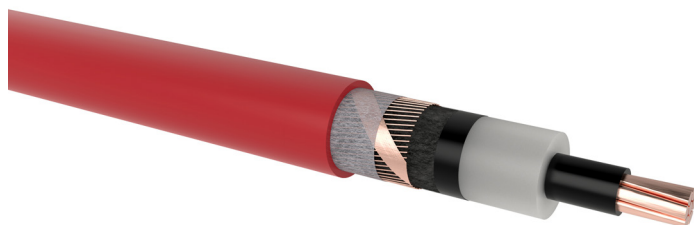


N2XSY 18/30 kV

XLPE/PVC medium voltage underground cable, single core

DESIGN



- 1 | Copper conductor, round stranded compressed (RM)
- 2 | Inner semi-conductive layer (conductive XLPE)
- 3 | Core insulation (XLPE)
- 4 | Outer semi-conductive layer (conductive XLPE), taped with a conductive tape
- 5 | Screen (bare copper wires) and counter helix (copper tape)
- 6 | Sheath (PVC red)

APPLICATION

For fix installation in ground, in indoors, ground and in cable ducts for industry and distribution networks in accordance with the applicable installation regulations.

TECHNICAL DATA



Standard:
DIN VDE 0276-620



Rated voltage:
18/30 kV (U₀/U)



Test voltage:
48 kV / 50 Hz



Temperature range:
 laying temperature: min. -5 °C
 operating temperature: -20 °C up to 80 °C
 conductor temperature: max. 90 °C
 short circuit temperature: max. 250 °C/5 s



Bending radius (min.):
15 x Ø of cable



Fire properties:
EN 60332-1-2: flame retardant



Certificate:
VDE Germany

Number of cores x nominal cross-section / cross-section of screen (mm ²)	Mutual capacitance (nF/km)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
N2XSY 18/30 kV							
1 x 50 RM/16	0.14	0.387	225	241	35.0	1450	500 D, 1000 D
1 x 70 RM/16	0.15	0.268	274	299	37.0	1700	500 D, 1000 D
1 x 95 RM/16	0.17	0.193	327	363	38.0	2050	500 D, 1000 D
1 x 120 RM/16	0.18	0.153	371	418	39.0	2350	500 D, 1000 D
1 x 150 RM/25	0.19	0.124	414	472	41.0	2700	500 D, 1000 D
1 x 185 RM/25	0.21	0.991	327	363	43.0	3100	500 D, 1000 D
1 x 240 RM/25	0.23	0.075	539	635	45.0	3700	500 D, 1000 D
1 x 300 RM/25	0.25	0.0601	606	725	48.0	4350	500 D, 1000 D
1 x 500 RM/35	0.3	0.0366	765	953	54.0	6450	500 D