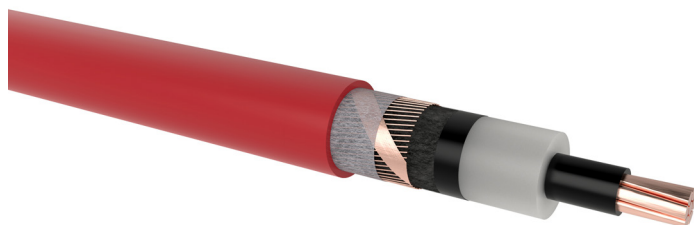


N2XSY 12/20 kV

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:
12/20 kV (U₀/U)



Test voltage:
36 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 12/20 kV							
1 x 35 RM/16	0.16	0.524	189	200	29.0	1100	500 D, 1000 D
1 x 50 RM/16	0.18	0.387	222	239	30.0	1250	500 D, 1000 D
1 x 70 RM/16	0.2	0.268	271	297	32.0	1350	500 D, 1000 D
1 x 95 RM/16	0.22	0.193	323	361	33.0	1750	500 D, 1000 D
1 x 120 RM/16	0.24	0.153	367	416	35.0	1900	500 D, 1000 D
1 x 150 RM/25	0.26	0.124	409	470	36.0	2400	500 D, 1000 D
1 x 185 RM/25	0.27	0.099	461	538	38.0	2800	500 D, 1000 D
1 x 240 RM/25	0.31	0.0754	532	634	41.0	3400	500 D, 1000 D
1 x 300 RM/25	0.33	0.0601	599	724	43.0	4000	500 D, 1000 D
1 x 400 RM/35	0.37	0.047	671	829	46.0	4950	500 D, 1000 D
1 x 500 RM/35	0.41	0.0366	754	953	49.0	6050	500 D, 1000 D