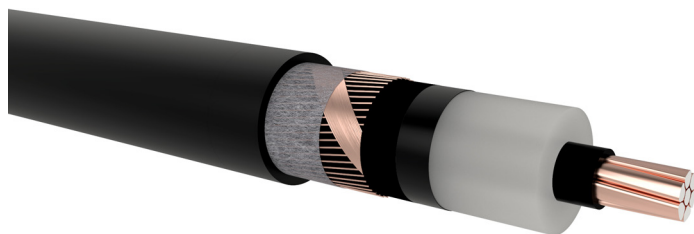


N2XS(F)2Y 12/20 kV

XLPE/HDPE medium voltage underground cable, longitudinally water-proof

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 | Swelling tape over screen
- 7 | Sheath (HDPE black, UV resistant, min. 55 ShD)

APPLICATION

For fixed installation for high requirements in the ground subject to external effects of moisture, in the open air and in cable ducts for industrial and distribution mains – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.

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. -20 °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



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)
N2XS(F)2Y 12/20 kV							
1 x 35 RM/16	0.16	0.524	189	200	30.0	1075	500 D, 1000 D
1 x 50 RM/16	0.18	0.387	222	239	31.0	1270	500 D, 1000 D
1 x 70 RM/16	0.2	0.268	271	297	33.0	1520	500 D, 1000 D
1 x 95 RM/16	0.22	0.193	323	361	35.0	1780	500 D, 1000 D
1 x 120 RM/25	0.24	0.153	367	416	36.0	2090	500 D, 1000 D
1 x 150 RM/25	0.26	0.124	409	470	37.0	2460	500 D, 1000 D
1 x 185 RM/25	0.27	0.991	461	538	39.0	2840	500 D, 1000 D
1 x 240 RM/25	0.31	0.0754	532	634	42.0	3400	500 D, 1000 D
1 x 300 RM/25	0.33	0.0601	599	724	44.0	4150	500 D, 1000 D
1 x 400 RM/35	0.37	0.047	671	829	47.0	5190	500 D, 1000 D

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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)
N2XS(F)2Y 12/20 kV							
1 x 500 RM/35	0.41	0.0366	754	953	50.0	6170	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

12.10.2022, 08:30