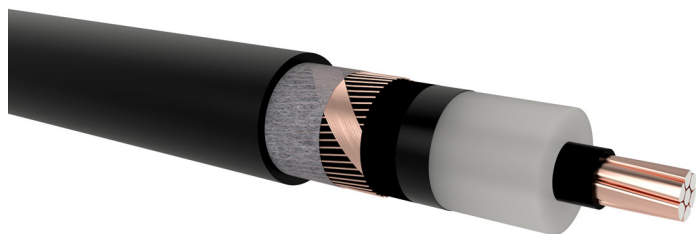


## N2XS(F)2Y 6/10 kV

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:**  
6/10 kV (U<sub>0</sub>/U)



**Test voltage:**  
18 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 <sup>2</sup> )	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)
<b>N2XS(F)2Y 6/10 kV</b>							
1 x 35 RM/16	0.24	0.524	187	197	26.0	915	500 D, 1000 D
1 x 50 RM/16	0.26	0.387	220	236	27.0	1120	500 D, 1000 D
1 x 70 RM/16	0.3	0.268	268	294	28.0	1330	500 D, 1000 D
1 x 95 RM/16	0.31	0.193	320	358	30.0	1620	500 D, 1000 D
1 x 120 RM/16	0.34	0.153	363	413	32.0	1870	500 D, 1000 D
1 x 150 RM/25	0.39	0.124	405	468	33.0	2260	500 D, 1000 D
1 x 185 RM/25	0.42	0.0991	456	535	35.0	2630	500 D, 1000 D
1 x 240 RM/25	0.47	0.0754	526	631	38.0	3220	500 D, 1000 D
1 x 300 RM/25	0.51	0.0601	591	722	40.0	3810	500 D, 1000 D
1 x 400 RM/35	0.57	0.047	662	827	43.0	4850	500 D, 1000 D

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Number of cores x nominal cross-section / cross-section of screen (mm <sup>2</sup> )	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)
<b>N2XS(F)2Y 6/10 kV</b>							
1 x 500 RM/35	0.63	0.0366	744	949	46.0	5800	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

12.10.2022, 08:30