

NA2XS2Y 6/10 kV

XLPE/PE medium voltage aluminium underground cable

DESIGN



- 1 | Aluminium conductor, round stranded compressed (RM)
- 2 | Outer 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 (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 (U₀/U)



Test voltage:
18 kV / 50 Hz



Temperature range:
 laying temperature: min. -20 °C
 operating temperature: -50 °C up to 90 °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)
NA2XS2Y 6/10 kV							
1 x 35 RM/16	0.24	0.868	145	153	25.0	600	500 D, 1000 D
1 x 50 RM/16	0.26	0.641	171	183	24.9	630	500 D, 1000 D
1 x 70 RM/16	0.3	0.443	208	228	26.4	720	500 D, 1000 D
1 x 95 RM/16	0.31	0.32	248	278	28.0	820	500 D, 1000 D
1 x 120 RM/16	0.34	0.253	283	321	29.2	910	500 D, 1000 D
1 x 150 RM/25	0.39	0.206	315	364	30.9	1100	500 D, 1000 D
1 x 185 RM/25	0.42	0.164	357	418	32.5	1230	500 D, 1000 D
1 x 240 RM/25	0.47	0.125	413	494	34.6	1420	500 D, 1000 D
1 x 300 RM/25	0.51	0.1	466	568	37.1	1640	500 D, 1000 D
1 x 400 RM/35	0.57	0.0778	529	660	40.4	2050	500 D, 1000 D