

NA2XS(F)2Y 18/30 kV

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

DESIGN



- 1 | Aluminium conductor, round stranded compressed (RM)
- 2 | Inner semi-conductive layer (conductive XLPE)
- 3 | Core insulation (XLPE)
- 4 | Outer semi-conductive layer (conductive XLPE)
- 5 | Taped with a conductive tape
- 6 | Screen (bare copper wires) and counter helix (copper tape)
- 7 | Swelling tape over screen
- 8 | Sheath (HDPE black, UV-resistant)

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:
18/30 kV (U₀/U)



Test voltage:
48 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)
NA2XS(F)2Y 18/30 kV							
1 x 50 RM/16	0.14	0.641	174	187	36.0	1150	500 D, 1000 D
1 x 70 RM/16	0.15	0.443	213	232	38.0	1300	500 D, 1000 D
1 x 95 RM/16	0.17	0.32	254	282	33.0	1450	500 D, 1000 D
1 x 120 RM/16	0.18	0.253	325	289	39.0	1750	500 D, 1000 D
1 x 150 RM/25	0.19	0.206	322	367	41.3	1800	500 D, 1000 D
1 x 185 RM/25	0.21	0.164	364	421	44.0	1950	500 D, 1000 D
1 x 240 RM/25	0.23	0.125	422	496	46.0	2200	500 D, 1000 D
1 x 300 RM/25	0.25	0.1	476	568	48.0	2400	500 D, 1000 D
1 x 400 RM/35	0.27	0.0778	541	659	51.0	3000	500 D, 1000 D

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1 x 500 RM/35	0.3	0.0605	616	764	54.0	3100	500 D, 1000 D
1 x 630 RM/35	0.32	0.0469	675	890	57.5	3790	500 D, 1000 D
1 x 800 RM/35	0.35	0.0367	750	1015	65.0	4367	500 D, 1000 D

Technical changes reserved. All figures are therefore without guarantee.

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