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MEDIUM VOLTAGE CABLES 10 – 30 KV

NA2XS2Y 18/30 kV

XLPE/PE medium voltage aluminium underground cable

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

Certificate
VDE Germany

Test Voltage
48 kV

Rated Voltage
18/30 kV (Uo/U)

Bending radius (min.)
15 x Ø of cable

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

DESIGN



Number of cores x nominal cross-section / cross-section of screen (mm²)	Mutual capacitance (nF/km)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	Standard length-s/packing (m)
1 x 50 RM / 16	0.14	0.641	174	187	34.1	990	500 T, 1000 T
1 x 70 RM / 16	0.15	0.443	213	232	35.4	1090	500 T, 1000 T
1 x 95 RM / 16	0.17	0.32	254	282	36.7	1220	500 T, 1000 T
1 x 120 RM / 16	0.18	0.253	289	325	37.9	1330	500 T, 1000 T
1 x 150 RM / 25	0.19	0.206	322	367	39.6	1460	500 T, 1000 T
1 x 185 RM / 25	0.21	0.164	364	421	41.2	1610	500 T, 1000 T
1 x 240 RM / 25	0.23	0.125	422	496	43.8	1920	500 T, 1000 T
1 x 300 RM / 25	0.25	0.1	476	568	45.9	2140	500 T, 1000 T
1 x 400 RM / 35	0.27	0.078	541	659	48.8	2570	500 T, 1000 T

Technical changes reserved. All figures are therefore without guarantee.



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