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NA2XS2Y 18/30 kV

XLPE/PE medium voltage aluminium underground cable

ALUMINIUM – VDE

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 (U₀/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 (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 appr. (mm)	Total weight appr. (kg/km)	Standard lengths/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	0.0778	541	659	48.8	2570	500 T, 1000 T

CONTACT PERSON**Dogan Özcan**

Head of Technical Department
+43 (0) 1 70170-154
dogan.oezcan@skw.at

