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Modern Life
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NA2XS2Y 6/10 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
18 kV



Rated Voltage
6/10 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 35 RM / 16	0.24	0.868	145	153	25	600	500 T, 1000 T
1 x 50 RM / 16	0.26	0.641	171	183	24.9	630	500 T, 1000 T
1 x 70 RM / 16	0.3	0.443	208	228	26.4	720	500 T, 1000 T
1 x 95 RM / 16	0.31	0.32	248	278	28	820	500 T, 1000 T
1 x 120 RM / 16	0.34	0.253	283	321	29.2	910	500 T, 1000 T
1 x 150 RM / 25	0.39	0.206	315	364	30.9	1100	500 T, 1000 T
1 x 185 RM / 25	0.42	0.164	357	418	32.5	1230	500 T, 1000 T
1 x 240 RM / 25	0.47	0.125	413	494	34.6	1420	500 T, 1000 T
1 x 300 RM / 25	0.51	0.1	466	568	37.1	1640	500 T, 1000 T
1 x 400 RM / 35	0.57	0.0778	529	660	40.4	2050	500 T, 1000 T

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