



We Make
Modern Life
Possible



NA2XS(F)2Y 12/20 kV

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

MEDIUM VOLTAGE CABLES UP TO 36 kV

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
36 kV



Rated Voltage
12/20 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)
1 x 35 RM / 16	0.16	0.868	146	155	28.0	650
1 x 50 RM / 16	0.18	0.641	172	185	28.9	780
1 x 70 RM / 16	0.2	0.443	210	231	30.8	890
1 x 95 RM / 16	0.22	0.32	251	280	32.5	1000
1 x 120 RM / 16	0.24	0.253	325	289	33.9	1100
1 x 150 RM / 25	0.26	0.206	319	366	35.1	1290
1 x 185 RM / 25	0.27	0.164	361	420	36.9	1440
1 x 240 RM / 25	0.31	0.125	417	4696	39.2	1660
1 x 300 RM / 25	0.33	0.1	471	569	41.7	1900
1 x 400 RM / 35	0.37	0.078	535	660	45.2	2350
1 x 500 RM / 35	0.41	0.061	602	767	48.5	2750
1 x 630 RM / 35	0.43	0.047	675	890	52.0	3240
1 x 800 RM / 35	0.48	0.037	750	1015	56.2	3880
1 x 1000 RM / 35	0.54	0.029	820	1135	60.9	4570

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