

## NA2XS(F)2Y 12/20 kV - Medium-voltage cables with XLPE insulation, PE outersheath



### Application

Outdoor application, protected from solar radiation, direct buried, in trench or in ducts.

### Global data

Standard	DIN VDE 0276-620
Type designation	NA2XS(F)2Y

### Design features

Conductor	Aluminium conductor
Insulation	XLPE insulation
Semi-conductive layer	Semiconductive conductor screen and semiconductive insulation screen
Longitudinally watertight	Water swellable bedding below screen and separating tape over screen (optionally swellable tape over screen as well)
Overall screen	Copper wire screen with copper counter helix
Outer sheath	PE sheath
Available colours	Black
Example for marking	NA2XS(F)2Y 1 x 240 RM/25 12/20kV

### Electrical parameters

Rated voltage	12/20 kV
Test voltage (AC)	42 kV

### Chemical parameters

Halogen-free	Yes
UV resistant	Yes
Lead Free	Yes

### Thermal parameters

Max. operating temperature of conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature	-20 °C

### Mechanical parameters

Min. bending radius	15 x D
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Number of cores x cross section	Diameter over insulation mm	Outer diameter mm	Weight (approx.) kg/km	Conductor DC resistance at 20°C $\Omega$ /km	Nom. operating capacitance $\mu$ F/km	Inductance nom. mH/km	Current-carrying capacity during normal operation, laid in the ground A	Current carrying capacity for install. free in air A	Delivery length m
1x70RM/16	21.9	31	865	0.443	0.19	0.43	211	229	1000
1x95RM/16	23.6	32.6	978	0.32	0.21	0.41	252	278	1000
1x120RM/16	25	34.1	1084	0.253	0.23	0.39	287	320	1000
1x150RM/25	26.4	35.4	1279	0.206	0.25	0.38	320	363	1000
1x185RM/25	28	37	1422	0.164	0.27	0.37	362	415	1000
1x240RM/25	30.4	39.4	1630	0.125	0.3	0.35	421	493	1000
1x300RM/25	32.8	41.9	1871	0.1	0.33	0.34	474	563	1000
1x400RM/35	35.5	44.6	2265	0.0778	0.37	0.33	538	652	1000
1x500RM/35	38.6	47.7	2666	0.0605	0.4	0.32	606	746	1000
1x630RM/35	42.2	51.3	3155	0.0469	0.43	0.31	683	854	1000