

Medium voltage cable

NA2XS(F)2Y 18/30 kV



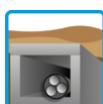
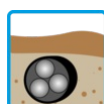
- aluminium conductor, stranded
- conductor screen
- Insulation: XLPE
- insulation screen
- swellable tape
- copper screen with counter helix
- swellable tape
- outer sheath, PE, black

The product graphics are not to scale and do not represent detailed images of the respective products.



100%
RoHS

100%
REACH



Order-No.	Product	Outer diameter approx. [mm]	Net weight approx. [kg/km]	Rated short-time current (1s) [kA]	Tensile force max. [daN]	Bending radius one-off min. [mm]	Bending radius repeated min. [mm]	Standard length [m]	Standard drum size	Max. production length [m]
4764050	NA2XS(F)2Y 1x50 RM/16 18/30 kV	34.0	1350.00	4.70	150	510	0	1000		0
4764100	NA2XS(F)2Y 1x70 RM/16 18/30 kV	36.0	1450.00	6.58	210	540	0	1000	200	0
4764200	NA2XS(F)2Y 1x95 RM/16 18/30 kV	37.0	1600.00	8.93	285	555	0	2000	220	0
4764300	NA2XS(F)2Y 1x120 RM/16 18/30 kV	39.0	1750.00	11.30	360	585	0	1000	220	0
4765900	NA2XS(F)2Y 1x150 RM/25 18/30 kV	40.0	1950.00	14.10	450	600	0	1000	220	0
4765600	NA2XS(F)2Y 1x185 RM/25 18/30 kV	42.0	2150.00	17.40	555	630	0	1000	220	0
4766200	NA2XS(F)2Y 1x240 RM/25 18/30 kV	45.0	2250.00	22.60	720	660	0	1000	220	0
4765700	NA2XS(F)2Y 1x300 RM/25 18/30 kV	47.0	2700.00	28.60	900	705	0	1000	220	0
4765750	NA2XS(F)2Y 1x400 RM/35 18/30 kV	50.0	3200.00	37.60	1200	750	0	1000	255	0
4766700	NA2XS(F)2Y 1x500 RM/35 18/30 kV	53.0	3650.00	47.00	1500	795	0	1000	255	0
4766720	NA2XS(F)2Y 1x630 RM/35 18/30 kV	60.0	3728.00	59.20	1890	900	0	1000		0
4766740	NA2XS(F)2Y 1x800 RM/35 18/30 kV	65.0	4367.00	75.20	2400	975	0	1000		0
4766750	NA2XS(F)2Y 1x1000 RM/35 18/30 kV	66.0	4800.00	94.50	3000	990	0	1000		0
4766760	NA2XS(F)2Y 1x1200 RM/35 18/30 kV	69.0	5400.00	0.00	0	0	0	1000		1000
4743000	NA2XS(F)2Y 3x1x50 RM/16 18/30 kV	85.0	4050.00	4.70	450	640	1280	350	285	400
4743100	NA2XS(F)2Y 3x1x70 RM/16 18/30 kV	87.0	4350.00	6.58	630	655	1310	350	285	400
4743200	NA2XS(F)2Y 3x1x95 RM/16 18/30 kV	91.0	4800.00	8.93	855	685	1370	350	285	380
4743300	NA2XS(F)2Y 3x1x120 RM/16 18/30 kV	94.0	5100.00	11.28	1080	705	1410	350	285	360

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4743400	NA2XS(F)2Y 3x1x150 RM/25 18/30 kV	96.0	5550.00	14.10	1350	720	1440	300	285	320
4743500	NA2XS(F)2Y 3x1x185 RM/25 18/30 kV	100.0	6000.00	17.39	1665	750	1500	250	281	300
4743600	NA2XS(F)2Y 3x1x240 RM/25 18/30 kV	98.0	6900.00	22.56	2160	735	1470	250	285	350
4743700	NA2XS(F)2Y 3x1x300 RM/25 18/30 kV	102.0	8505.00	28.20	0	0	0	250	285	250
4743800	NA2XS(F)2Y 3x1x400 RM/25 18/30 kV	155.0	8600.00	37.60	0	0	0	250	285	350

Errors and omissions excepted, weights and dimensions are approximate values.

Tensile force only valid when cable sheath and cable core involved.

The bending radius one-off is for professionally installed cables, unique molding over a stencil and a cable temperature $>30^{\circ}\text{C}$.

Other designs, fitted lengths and larger delivery lengths on request.

Product Description

For installation in open air, in the ground, for power stations, industry and distribution boards or subscriber networks. The cables are UV-resistant and particularly resistant due to the outer sheath made of robust PE.

The cable is for installation in the ground or outside structures and is therefore not subject to the CPR.

It cannot be classified as Eca or better.

Technical Data

acc. to DIN VDE 0276-620

This product is in compliance with RoHS Directive (Restriction of Hazardous Substances) and REACH (European Chemicals Regulation)

[to cable designation code tables](#)

Conductor resistance	
acc. to IEC 60228/EN 60228	class 1 + 2
Current carrying capacity	
	acc. to HD 620 S2:2010 10C during regular operation: table 7-10 in case of short-circuit: table 12 short-circuit duration max 5s show tables
Rated voltage	
U0/U (IEC)	18/30 kV
Voltage test	
AC 50 Hz [Veff]	47 kV
Permissible operating temperatures (cable) [°C]	
Laying (min.)	-20
Operation (max.)	90
Permissible operating temperatures (conductor) [°C]	
Operation (max.)	90
Short-circuit temperature (max.)	250

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