

# NA2XS(F)2Y 18/30kV

Single-core XLPE-insulated cables with PE sheath, longitudinally watertight



## Application

For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or during operation. The water blocking tape avoids water propagation inside the cable.

## Construction

<b>Conductor</b>	: Aluminium, stranded, class 2
<b>Insulation</b>	: XLPE, DIX8
<b>Outer sheath</b>	: Polyethylene, DMP2
<b>Marking text</b>	: E.g. "NA2XS(F)2Y 18/30 kV 1x50mm <sup>2</sup> VDE 0276-620 2016 CE"
<b>Rated voltage</b>	: 18/30 kV
<b>Maximum permitted voltage</b>	: 36 kV
<b>Test voltage</b>	: 263 kV

## Outer Sheath Colours

**Available colours** : Black\*

\*other colours available on request

## Installation recommendations

<b>Minimum Bending Radius</b>	: 15xD
<b>Max. operating temperature</b>	: 90 °C
<b>Max. operating temperature, fixed</b>	: 70 °C
<b>Temperature, moved/during installation</b>	: -5°C / 70 °C

## Standards applied

VDE 0276-620 UV-resistant; Longitudinally watertight

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## Range and Dimensions

Article Code	Number of cores	Size cross-section in mm <sup>2</sup>	Approx. diameter over conductor in mm	Insulation thickness in mm	Nominal diameter outer sheath inmm	Approx. weight of cable (Kg/Km)
D25C01C050BAK BK15/16	1	50/16	8.6	8	34	1350
D25C01C070BAK BK15/16	1	70/16	10.2	8	36	1450
D25C01C095BAK BK15/16	1	95/16	12	8	37	1600
D25C01C095BAK BK15/35	1	95/35	12	8	37.5	1420
D25C01C120BAK BK15/16	1	120/16	13.5	8	39	1750
D25C01C120BAK BK15/35	1	120/35	13.5	8	39	1560
D25C01C150BAK BK15/25	1	150/25	15	8	40	1950
D25C01C150BAK BK15/35	1	150/35	15	8	40.5	1670
D25C01C185BAK BK15/25	1	185/25	16.8	8	42	2150
D25C01C185BAK BK15/35	1	185/35	16.8	8	42	1825
D25C01C240BAK BK15/25	1	240/25	19.2	8	44	2400
D25C01C300BAK BK15/25	1	300/25	21.6	8	47	2700
D25C01C300BAK BK15/35	1	300/35	21.6	8	46	2285
D25C01C400BAK BK15/35	1	400/35	24.6	8	50	3200
D25C01C500BAK BK15/35	1	500/35	27.6	8	53	3650
D25C01C500BAK BK15/50	1	500/50	27.6	8	54.5	3310
D25C01C630BAK BK15/35	1	630/35	32.5	8	60	3738
D25C01C800BAK BK15/35	1	800/35	37.6	8	65	4367

## Electrical Characteristics

Number of cores	Size cross-section in mm <sup>2</sup>	Max. conductor resistance, Ohm/km	Ampacity in air, in Amperes	Short circuit rating 1 second in kilo ampere	Tensile strength during installation, Newton
1	50/16	0.641	187	4.7	1500
1	70/16	0.443	232	6.58	2100
1	95/16	0.32	282	8.93	2850
1	95/35	0.32	282	8.93	2850
1	120/16	0.253	325	11.3	3600
1	120/35	0.253	325	11.3	3600
1	150/25	0.206	367	14.1	4500
1	150/35	0.206	367	14.1	4500
1	185/25	0.164	421	17.4	5550
1	185/35	0.164	421	17.4	5550
1	240/25	0.125	496	22.6	7200
1	300/25	0.1	568	28.6	9000
1	300/35	0.1	568	28.6	9000
1	400/35	0.0778	659	37.6	12000
1	400/70	0.0778	659	37.6	12000
1	500/35	0.0605	764	47	15000
1	500/50	0.0605	764	47	15000
1	630/35	0.0469	890	59.2	18900

### NOTICE

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