

# NA2XS(F)2Y 6/10kV

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 6/10 kV 1x50mm <sup>2</sup> VDE 0276-620 2016 CE"
<b>Rated voltage</b>	: 6/10 kV
<b>Maximum permitted voltage</b>	: 12 kV
<b>Test voltage</b>	: 21 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 BK12/16	1	50/16	8.6	3.4	25	850
D25C01C070BAK BK12/16	1	70/16	10.2	3.4	27	950
D25C01C095BAK BK12/16	1	95/16	12	3.4	28	1100
D25C01C120BAK BK12/16	1	120/16	13.5	3.4	30	1200
D25C01C150BAK BK12/25	1	150/25	15	3.4	31	1400
D25C01C185BAK BK12/25	1	185/25	16.8	3.4	33	1550
D25C01C240BAK BK12/25	1	240/25	19.2	3.4	35	1750
D25C01C300BAK BK12/25	1	300/25	21.6	3.4	37	2050
D25C01C400BAK BK12/35	1	400/35	24.6	3.4	40	2450
D25C01C400BAK BK12/50	1	400/50	24.6	3.4	40	2200
D25C01C500BAK BK12/35	1	500/35	27.6	3.4	44	2850
D25C01C630BAK BK12/35	1	630/35	32.5	3.4	49	2969
D25C01C800BAK BK12/35	1	800/35	-	2.4	52	3400
D25C01C1000BAK BK12/35	1	1000/35	-	3.4	63	4780

## 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	183	4.7	1500
1	70/16	0.443	228	6.58	2100
1	95/16	0.32	278	8.93	2850
1	120/16	0.253	321	11.3	3600
1	150/25	0.206	364	14.1	4500
1	185/25	0.164	418	17.4	5550
1	240/25	0.125	494	22.6	7200
1	300/25	0.1	568	28.2	9000
1	400/35	0.0778	660	37.6	12000
1	400/50	0.0778	660	37.6	12000
1	500/35	0.0605	767	47	15000
1	630/35	0.0469	890	59.2	18900
1	800/35	0.0367	1022	75.2	24000
1	1000/35	0.0291	1151	94	30000

### NOTICE

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