

# N2XSY 18/30kV

Single-core XLPE-insulated medium voltage cable with PVC outer sheath



## Application

For installation in ground, in water, outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The good installation properties of this cable make installation easy, even on difficult routes. Acc. to VDE 0276-603 cables must be protected against direct sun irradiation.

## Construction

<b>Conductor</b>	: Bare copper, stranded, class 2
<b>Insulation</b>	: XLPE, DIX8
<b>Outer sheath</b>	: PVC, DMV6
<b>Marking text</b>	: E.g. "N2XSY 18/30 kV 1x35mm <sup>2</sup> 2016 CE"
<b>Rated voltage</b>	: 18/30 kV
<b>Test voltage</b>	: 63 kV

## Outer Sheath Colours

**Available colours** : Red\*

\*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 0482-332-1-2 / IEC 60332-1 Flame Retardant

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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)
D25A01C050BAKRD15/16	1	50/16	8.6	8	34	1550
D25A01C070BAKRD15/16	1	70/16	10.2	8	36	1750
D25A01C095BAKRD15/16	1	95/16	12	8	37	2050
D25A01C120BAKRD15/16	1	120/16	13.5	8	39	2350
D25A01C150BAKRD15/25	1	150/25	15	8	40	2700
D25A01C185BAKRD15/25	1	185/25	16.8	8	42	3100
D25A01C240BAKRD15/25	1	240/25	19.2	8	44	3700
D25A01C300BAKRD15/25	1	300/25	21.6	8	47	4350
D25A01C400BAKRD15/35	1	400/35	24.6	8	50	5350
D25A01C500BAKRD15/35	1	500/35	27.6	8	53	6450
D25A01C630BAKRD15/35	1	630/35	32.5	8		7833

## 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	0.387	241	7.15	2500
1	70/16	0.268	299	10	3500
1	95/16	0.193	363	13.6	4750
1	120/16	0.153	418	17.2	6000
1	150/25	0.124	472	21.4	7500
1	185/25	0.0991	539	26.5	9250
1	240/25	0.0754	635	34.3	12000
1	300/25	0.0601	725	42.9	15000
1	400/35	0.047	831	57.2	20000
1	500/35	0.0366	953	71.5	25000
1	630/35	0.0283	1094	90.1	31500

### NOTICE

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