

N2XSY 6/10kV

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

Conductor	: Bare copper, stranded, class 2
Insulation	: XLPE, DIX8
Outer sheath	: PVC, DMV6
Marking text	: E.g. "N2XSY 6/10 kV 1x35mm ² 2016 CE"
Rated voltage	: 6/10 kV
Maximum permitted voltage	: 12 kV
Test voltage	: 24 kV

Outer Sheath Colours

Available colours : Red*

*other colours available on request

Installation recommendations

Minimum Bending Radius	: 15xD
Max. operating temperature	: 90 °C
Max. operating temperature, fixed	: 70 °C
Temperature, moved/during installation	: -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 ²	Approx. diameter over conductor in mm	Insulation thickness in mm	Nominal diameter outer sheath inmm	Approx. weight of cable (Kg/Km)
D25A01C035BAKRD12/16	1	35/16	7.5	3.4	24	920
D25A01C050BAKRD12/16	1	50/16	8.6	3.4	25	1100
D25A01C070BAKRD12/16	1	70/16	10.2	3.4	27	1300
D25A01C095BAKRD12/16	1	95/16	12	3.4	28	1600
D25A01C120BAKRD12/16	1	120/16	13.5	3.4	30	1850
D25A01C150BAKRD12/16	1	150/16	15	3.4	31	2050
D25A01C150BAKRD12/25	1	150/25	15	3.4	31	2200
D25A01C185BAKRD12/16	1	185/16	16.8	3.4	33	2450
D25A01C185BAKRD12/25	1	185/25	16.8	3.4	33	2550
D25A01C240BAKRD12/16	1	240/16	19.2	3.4	35	3000
D25A01C240BAKRD12/25	1	240/25	19.2	3.4	35	3150
D25A01C300BAKRD12/25	1	300/25	21.6	3.4	37	3750
D25A01C400BAKRD12/35	1	400/35	24.6	3.4	41	4650
D25A01C500BAKRD12/35	1	500/35	27.6	3.4	44	5700
D25A01C630BAKRD12/35	1	630/35	32.5	3.4	49	7090

Electrical Characteristics

Number of cores	Size cross-section in mm ²	Max. conductor resistance, Ohm/km	Ampacity in air, in Amperes	Short circuit rating 1 second in kilo ampere	Tensile strength during installation, Newton
1	35/16	0.524	197	5	1750
1	50/16	0.387	236	7.15	2500
1	70/16	0.268	294	10	3500
1	95/16	0.193	358	13.6	4750
1	120/16	0.153	413	17.2	6000
1	150/16	0.124	468	21.4	7500
1	150/25	0.124	468	21.4	7500
1	185/16	0.0991	535	26.5	9250
1	185/25	0.0991	535	26.5	9250
1	240/16	0.0754	631	34.3	12000
1	240/25	0.0754	631	34.3	12000
1	300/25	0.0601	722	42.9	15000
1	400/35	0.047	827	57.2	20000
1	500/35	0.0366	949	71.5	25000
1	630/35	0.0283	1090	90.1	31500

NOTICE

Incore Cables has endeavored to ensure the accuracy of the data in this publication, however we cannot be liable for the consequences of errors or omissions. All data is subject to change without notice. The installer and/or user assumes all liability for the consequences of the installation and/or use of any of our products in contravention of any applicable law, regulation or code.

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