

N2XSY 12/20kV

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 12/20 kV 1x35mm ² 2016 CE"
Rated voltage	: 12/20kV

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)
D25A01C035BAKRD10/16	1	35/16	7.5	5.5	28	1100
D25A01C050BAKRD10/16	1	50/16	8.6	5.5	29	1250
D25A01C070BAKRD10/16	1	70/16	10.2	5.5	31	1500
D25A01C095BAKRD10/16	1	95/16	12	5.5	32	1800
D25A01C120BAKRD10/16	1	120/16	13.5	5.5	34	2050
D25A01C150BAKRD10/16	1	150/16	15	5.5	35	2300
D25A01C150BAKRD10/25	1	150/25	15	5.5	35	2400
D25A01C185BAKRD10/16	1	185/16	16.8	5.5	37	2650
D25A01C185BAKRD10/25	1	185/25	16.8	5.5	37	2800
D25A01C240BAKRD10/16	1	240/16	19.2	5.5	40	3250
D25A01C240BAKRD10/25	1	240/25	19.2	5.5	40	3400
D25A01C240BAKRD10/50	1	240/50	19.2	5.5	40	3499
D25A01C300BAKRD10/25	1	300/25	21.6	5.5	42	4000
D25A01C400BAKRD10/35	1	400/35	24.6	5.5	45	4950
D25A01C500BAKRD10/35	1	500/35	27.6	5.5	49	6050
D25A01C630BAKRD10/35	1	630/35	32.5	5.5	53	7090
D25A01C800BAKRD10/50	1	800/50	37.6	5.5	60	9249
D25A01C800BAKRD10/35	1	800/35	37.6	5.5	60	9032

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	200	5	1750
1	50/16	0.387	239	7.15	2500
1	70/16	0.268	297	10	3500
1	95/16	0.193	361	13.6	4750
1	120/16	0.153	416	17.2	6000
1	150/16	0.124	470	21.4	7500
1	150/25	0.124	470	21.4	7500
1	185/16	0.0991	538	26.5	9250
1	185/25	0.0991	538	26.5	9250
1	240/16	0.0754	634	34.3	12000
1	240/25	0.0754	634	34.3	12000
1	240/50	0.0754	634	34.3	12000
1	300/25	0.0601	724	42.9	15000
1	400/35	0.047	829	57.2	20000
1	500/35	0.0366	953	71.5	25000
1	630/35	0.0283	1075	90.1	31500
1	800/50	0.0221	1205	114.4	40000
1	800/35	0.0221	1205	114.4	40000

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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