

N2XS(F)2Y 12/20kV

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

Conductor	: Bare copper, stranded, class 2
Insulation	: XLPE, DIX8
Outer sheath	: Polyethylene, DMP2
Marking text	: E.g. "N2XS(F)2Y 12/20 kV 1x35mm ² VDE 0276-620 2016 CE"
Rated voltage	: 6/10 kV
Maximum permitted voltage	: 24 kV
Test voltage	: 42 kV

Outer Sheath Colours

Available colours : Black*

*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 0276-620 UV-resistant; Longitudinally watertight

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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)
D25D01C035BAK BK10/16	1	35/16	7.5	5.5	28	1300
D25D01C050BAK BK10/16	1	50/16	8.6	5.5	29	1350
D25D01C070BAK BK10/16	1	70/16	10.2	5.5	31	1600
D25D01C095BAK BK10/16	1	95/16	12	5.5	32	1900
D25D01C120BAK BK10/16	1	120/16	13.5	5.5	34	2150
D25D01C150BAK BK10/25	1	150/25	15	5.5	35	2500
D25D01C185BAK BK10/25	1	185/25	16.8	5.5	37	2900
D25D01C240BAK BK10/25	1	240/25	19.2	5.5	40	3500
D25D01C300BAK BK10/25	1	300/25	21.6	5.5	42	4150
D25D01C400BAK BK10/35	1	400/35	24.6	5.5	45	5100
D25D01C500BAK BK10/35	1	500/35	27.6	5.5	48	6200
D25D01C630BAK BK10/35	1	630/35	32.5	5.5	52	7365

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	150/25	0.124	468	21.4	7500
1	185/25	0.0991	535	26.5	9250
1	240/25	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.

T : +31 (0)168 468 100

E : sales@incore-cables.com

I : www.incore-cables.com

