

NA2XS(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	: Aluminium, stranded, class 2
Insulation	: XLPE, DIX8
Outer sheath	: Polyethylene, DMP2
Marking text	: E.g. "NA2XS(F)2Y 12/20 kV 1x50mm ² VDE 0276-620 2016 CE"
Rated voltage	: 12/20kV
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 in mm	Approx. weight of cable (Kg/Km)
D25C01C050BAKBK10/16	1	50/16	8.6	5.5	29	1050
D25C01C070BAKBK10/16	1	70/16	10.2	5.5	31	950
D25C01C095BAKBK10/16	1	95/16	12	5.5	32	1300
D25C01C120BAKBK10/16	1	120/16	13.5	5.5	34	1450
D25C01C150BAKBK10/50	1	150/50	15	5.5	-	1718
D25C01C150BAKBK10/16	1	150/16	15	5.5	36	1254
D25C01C150BAKBK10/25	1	150/25	15	5.5	36	1650
D25C01C150BAKBK10/50	1	150/50	15	5.5	36.4	1560
D25C01C185BAKBK10/25	1	185/25	16.8	5.5	37	1800
D25C01C240BAKBK10/16	1	240/16	19.2	5.5	-	1580
D25C01C240BAKBK10/25	1	240/25	19.2	5.5	40	2050
D25C01C240BAKBK10/50	1	240/50	19.2	5.5	-	2237
D25C01C300BAKBK10/25	1	300/25	21.6	5.5	42	2300
D25C01C300BAKBK10/50	1	300/50	21.6	5.5	42	2120
D25C01C400BAKBK10/16	1	400/16	24.6	5.5	-	2104
D25C01C400BAKBK10/35	1	400/35	24.6	5.5	45	2800
D25C01C500BAKBK10/35	1	500/35	27.6	5.5	48	3200
D25C01C500BAKBK10/50	1	500/50	27.6	5.5	48.3	2840
D25C01C630BAKBK10/35	1	630/35	32.5	5.5	52	3268
D25C01C630BAKBK10/50	1	630/50	27.6	5.5	52.2	3320
D25C01C800BAKBK10/35	1	800/35	37.6	5.5	60	3973
D25C01C01000BAKBK10/35	1	1000/35	-	5.5	62.6	4610
Article Codes NA2XS(F)2Yv						
D25C01C150BAKBK10N/25	1	150/25	15	5.5	36	1300
D25C01C240BAKBK10N/25	1	240/25	19.2	5.5	40	1700

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	50/16	0.641	185	4.7	1500
1	70/16	0.443	231	6.58	2100
1	95/16	0.32	280	8.93	2850
1	120/16	0.253	323	11.3	3600
1	150/50	0.206	366	14.1	4500
1	150/16	0.206	366	14.1	4500
1	150/25	0.206	366	14.1	4500
1	150/50	0.206	366	14.1	4500
1	185/25	0.164	420	17.4	5550
1	240/16	0.125	496	22.6	7200
1	240/25	0.125	496	22.6	7200
1	240/50	0.125	496	22.6	7200
1	300/25	0.1	569	28.2	9000
1	300/50	0.1	569	28.2	9000
1	400/16	0.0778	660	37.6	12000
1	400/35	0.0778	660	37.6	12000
1	500/35	0.0605	766	47	15000
1	500/50	0.0605	766	47	15000
1	630/35	0.0469	890	59.2	18900
1	630/50	0.0469	766	47	15000
1	800/35	0.0367	1015	75.2	24000
1	1000/35	0.0291	1135	95.3	30000
NA2XS(F)2Yv					
1	150/25	0.206	366	14.1	4500
1	240/25	0.125	496	22.6	7200

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

