

N2XS(F)2Y 12/20 (24)kV Cable

Medium voltage power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS2Y cable is suitable for external installation. Cables can be fixed on cable trays, within conduits or fixed to walls and is suitable for burial in ducts. The cable has a UV Resistant outer sheath and a longitudinal applied water blocking layer

Key Features



Voltage Rating
12/20 (24kV)



Minimum Bending Radius
15 x Overall Diameter



Temperature Limits
Ambient Temperature: -20°C to +60°C

Conductor Operating Temperature:
+90°C

Short Circuit Temperature up to 5 sec:
250°C

Construction

- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi-Conductive (XLPE)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Outer Sheath:** Medium Density Polyethylene (MDPE)

- **Sheath Colour:** Red or Black

Standards

- HD 620 S1
- VDE 0276-620
- BS EN 60332-1-2
- UV Resistant: ISO 4892-3
- IEC 60228
- IEC 60332-1-2
- IEC 60502-2

N2XS(F)2Y 12/20 (24)kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20N2XSF2 Y1X50	50	4.5	1.25	8.3	RM/16	26.0	540
12/20N2XSF2 Y1X70	70	4.5	1.3	9.8	RM/16	28.0	680
12/20N2XSF2 Y1X95	95	4.5	1.35	11.5	RM/16	30.5	840
12/20N2XSF2 Y1X120	120	4.5	1.4	12.8	RM/16	31.5	965
12/20N2XSF2 Y1X185	185	5.0	1.45	16.0	RM/25	35.0	1295
12/20N2XSF2 Y1X240	240	5.0	1.5	18.6	RM/25	39.0	1495
12/20N2XSF2 Y1X300	300	5.0	1.55	20.8	RM/25	41.0	1715
12/20N2XSF2 Y1X400	400	5.5	1.65	23.7	RM/35	43.5	2100
12/20N2XSF2 Y1X150	450	5.0	1.4	14.5	RM/25	33.5	1125
12/20N2XSF2 Y1X500	500	5.5	1.75	26.6	RM/35	48.5	2410
12/20N2XSF2 Y1X630	630	5.5	1.85	30.5	RM/35	51.0	2720

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