

N2XS(F)2Y 12/20 (24)kV Cable - 50mm² to 630mm²

Description

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
 Temperature Range: -20°C to +60°C
 Conductor Operating Temperature: +90°C
 Short Circuit Temperature up to 5 sec: 250°C

Standards

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

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

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

ecovadis

N2XS(F)2Y 12/20 (24)kV Cable - 50mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20N2XSF2Y1X50	50	4.5	1.25	8.3	RM/16	26.0	540
12/20N2XSF2Y1X70	70	4.5	1.3	9.8	RM/16	28.0	680
12/20N2XSF2Y1X95	95	4.5	1.35	11.5	RM/16	30.5	840
12/20N2XSF2Y1X120	120	4.5	1.4	12.8	RM/16	31.5	965
12/20N2XSF2Y1X185	185	5.0	1.45	16.0	RM/25	35.0	1295
12/20N2XSF2Y1X240	240	5.0	1.5	18.6	RM/25	39.0	1495
12/20N2XSF2Y1X300	300	5.0	1.55	20.8	RM/25	41.0	1715
12/20N2XSF2Y1X400	400	5.5	1.65	23.7	RM/35	43.5	2100
12/20N2XSF2Y1X450	450	5.0	1.4	14.5	RM/25	33.5	1125
12/20N2XSF2Y1X500	500	5.5	1.75	26.6	RM/35	48.5	2410
12/20N2XSF2Y1X630	630	5.5	1.85	30.5	RM/35	51.0	2720

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