

## N2XS2Y CU, MDPE, 12/20 (24)kV Cable - 50mm<sup>2</sup> to 630mm<sup>2</sup>



### Description

Medium voltage copper 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.

### Key Features



**Voltage Rating**  
12/20 (24kV)



**Minimum Bending Radius**  
15 x Overall Diameter



**Flame Retardancy**  
BS EN/IEC 60332-1-2



**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 60332-1-2
- IEC 60228
- IEC 60502-2

### Construction

- **Conductor:** Class 2 stranded copper
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi conducting compound
- **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

N2XS2Y CU, MDPE, 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)
12/20N2XSFL2Y1X 50	50	2.4	1.8	8.2	RM/16	26.2	1060
12/20N2XSFL2Y1X 70	70	2.4	1.8	9.75	RM/16	28.5	1240
12/20N2XSFL2Y1X 95	95	2.4	1.9	11.55	RM/16	30.2	1550
12/20N2XSFL2Y1X 120	120	2.4	2.0	12.75	RM/16	31.1	1820
12/20N2XSFL2Y1X 150	150	2.4	2.0	14.5	RM/25	32.8	2300
12/20N2XSFL2Y1X 240	240	5.5	2.2	18.7	RM/25	38.3	3270
12/20N2XSFL2Y1X 300	300	5.5	2.2	20.8	RM/25	40.5	3780
12/20N2XSFL2Y1X 400	400	5.5	2.3	23.4	RM/35	43.9	4770
12/20N2XSFL2Y1X 500	500	5.5	2.4	26.5	RM/35	48.6	5780
12/20N2XSFL2Y1X 630	630	5.5	2.5	30.4	RM/35	51.5	7050

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