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

Description

Medium voltage MDPE power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS(FL)2Y 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 three water blocking layers to make it water resistant

Key Features

Voltage Rating
12/20 (24)kV

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

- BS EN 60332-1-2
- UV Resistant: ISO 4892-3
- IEC 60228
- IEC 60502-2
- IEC 60332-1-2

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Conductor Screen**: Semi-Conductive material
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Semi-Conductive XLPE
- **Longditudinal Waterblocking**: Semi-conductive swellable tape
- **Screen**: Copper wires and copper tape
- **Metallic Screen**: Copper Wires plus Copper tape
- **Water Blocking**: Al/PET (Aluminium/Polyester) Tape bonded to sheath
- **Longditudinal Water Blocking**: Swellable tapes
- **Outer Sheath**: Medium Density Polyethylene (MDPE)
- **Sheath Colour**: Red or Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory
31196

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.

CLEVELAND CABLE COMPANY

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

Reference	Conductor Size (mm2)	Nominal Conductor Diameter	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20N2XS(FL)2Y1X50	50	8.5	5.0	RM/16	1.8	28.0	1140
12/20N2XS(FL)2Y1X70	70	10.0	5.0	RM/16	1.8	29.5	1350
12/20N2XS(FL)2Y1X95	95	11.5	5.0	RM/16	1.9	31.5	1660
12/20N2XS(FL)2Y1X120	120	13.0	5.0	RM/16	1.9	33.0	1965
12/20N2XS(FL)2Y1X150	150	15.0	5.0	RM/25	2.0	34.5	2310
12/20N2XS(FL)2Y1X185	185	16.0	5.5	RM/25	2.0	36.0	2845
12/20N2XS(FL)2Y1X240	240	17.0	5.5	RM/25	2.1	38.5	3295
12/20N2XS(FL)2Y1X300	300	21.0	5..5	RM/25	2.2	41	3830

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