N2XSY CU XLPE PVC - 12/20 (24)kV Cable - 50mm² to 800mm²



Description

Medium voltage XLPE / PVC power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XSY 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 where there is no danger of water ingress. The cable has a UV Resistant outer sheath.

Key Features

Voltage Rating
12/20 (24)kV

Minimum Bending Radius
15 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2

Temperature Limits
Maximum operating temp: 90°C
Initial temperature at S.C.C for screen: 80°C
Maximum temp during short circuit: 250°C

Standards

- IEC 60502-2
- IEC 60228
- BS EN 60332-1-2

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Outer Semi Conductor**: Extruded Outer Semi Conductor (Strippable Type)
- **Screen**: Copper Wires & Helical Equalising Copper Tape
- **Inner Semi Conductor**: Extruded Inner Semi Conductor (Bonded Type)
- **Sheath**: PVC (Polyvinyl Chloride)
- **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

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

N2XSY CU XLPE PVC - 12/20 (24)kV Cable - 50mm² to 800mm² - Dimensions

Reference	Conductor Size (mm2)	Nominal Conductor Diameter	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20N2XSY1X50	50	8.5	5.0	RM/16	1.8	26.4	1095
12/20N2XSY1X70	70	10.0	5.0	RM/16	1.8	28.5	1340
12/20N2XSY1X95	95	11.9	5.0	RM/16	1.9	29.5	1595
12/20N2XSY1X120	120	13.2	5.0	RM/16	1.9	31.5	1895
12/20N2XSY1X150	150	15.0	5.5	RM/25	2.0	33.3	2275
12/20N2XSY1X185	185	16.5	5.5	RM/25	2.1	34.5	2625
12/20N2XSY1X200	240	19.0	5.5	RM/25	2.2	37.3	3240
12/20N2XSY1X300	300	21.4	5.5	RM/25	2.3	39.5	3825
12/20N2XSY1X400	400	24.0	6.0	RM/35	2.4	42.5	4765
12/20N2XSY1X500	500	27.0	6.0	RM/35	2.5	46.2	5795
12/20N2XSY1X630	630	30.5	6.0	RM/35	2.6	51.1	7280
12/20N2XSY1X800	800	37.2	6.0	RM/35	2.7	55.6	9150

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