N2XSY CU XLPE PVC - 18/30 (36)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
18/30 (36)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
- **Outer Semi Conductor**: Extruded Outer Semi Conductor (Strippable Type)
- **Insulation**: Cross Linked polyethylene (XLPE)
- **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

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

N2XSY CU XLPE PVC - 18/30 (36)kV Cable - 50mm² to 800mm² - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
18/30N2XSY1X50	50	7.5	2.0	9.0	RM/16	32.0	1345
18/30N2XSY1X70	70	7.5	2.0	10.0	RM/16	33.8	1595
18/30N2XSY1X95	95	7.5	2.1	12.0	RM/16	35.0	1880
18/30N2XSY1X120	120	7.5	2.2	13.0	RM/16	36.5	2145
18/30N2XSY1X150	150	8.0	2.2	15.0	RM/25	38.5	2555
18/30N2XSY1X185	185	8.0	2.3	16.5	RM/25	39.9	2910
18/30N2XSY1X240	240	8.0	2.3	19.5	RM/25	42.4	3555
18/30N2XSY1X300	300	8.0	2.4	21.5	RM/25	45.0	4175
18/30N2XSY1X400	400	8.0	2.5	24.0	RM/35	48.2	5175
18/30N2XSY1X500	500	8.5	2.6	27.0	RM/35	51.7	6250
18/30N2XSY1X630	630	8.5	2.7	30.5	RM/35	56.5	7725
18/30N2XSY1X800	800	8.5	2.8	35.2	RM/35	61.0	9600