N2XS(FL)2Y XLPE MDPE 8.7/15 (17.5)kV Cable - 50mm² to 800mm²

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
8.7/15 (18) kV

Minimum Bending Radius
20x Overall Diameter

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

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

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Water Blocking**: Non Conductive Water Blocking Tape
- **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)
- **Tape**: Aluminium Tape
- **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

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

N2XS(FL)2Y XLPE MDPE 8.7/15 (17.5)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)
8/15N2XS(FL)2Y1X 50	50	9.0	4.0	RM/16	1.7	27.3	1065
8/15N2XS(FL)2Y1X 70	70	10.5	4.0	RM/16	1.8	29.0	1295
8/15N2XS(FL)2Y1X 95	95	12.0	4.0	RM/16	1.9	30.6	1560
8/15N2XS(FL)2Y1X 120	120	13.0	4.0	RM/16	2.0	32.4	1825
8/15N2XS(FL)2Y1X 150	150	15.3	4.5	RM/25	2.0	34.0	2195
8/15N2XS(FL)2Y1X 185	185	16.5	4.5	RM/25	2.1	35.5	2565
8/15N2XS(FL)2Y1X 240	240	19.4	4.5	RM/25	2.2	38.0	3125
8/15N2XS(FL)2Y1X 300	300	21.5	4.5	RM/25	2.3	40.0	3750
8/15N2XS(FL)2Y1X 400	400	24.0	5.0	RM/35	2.4	36.5	3795
8/15N2XS(FL)2Y1X 500	500	27.0	5.0	RM/35	2.5	39.5	4550
8/15N2XS(FL)2Y1X 630	630	30.7	5.0	RM/35	2.6	44.0	5825
8/15N2XS(FL)2Y1X 800	800	32.5	5.0	RM/35	2.7	48.0	7095

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