

N2XS(FL)2Y XLPE MDPE 8.7/15 (17.5)kV Cable

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 conductor operating
temperature: 90°C

Initial temperature at S.C.C for metallic
screen: 80°C

Maximum conductor temperature during
short circuit: 250°C

Construction

- **Conductor:** Class 2 stranded copper conductor
 - **Water Blocking:** Non-Conductive Water Blocking Tape
 - **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)
 - **Tape:** Aluminium Tape
 - **Outer Sheath:** Medium Density Polyethylene (MDPE)
-
- **Sheath Colour:** Red or Black

Standards

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

N2XS(FL)2Y XLPE MDPE 8.7/15 (17.5)kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
8/15N2XS(FL) 2Y1X50	50	4.0	1.7	9.0	RM/16	27.3	1065
8/15N2XS(FL) 2Y1X70	70	4.0	1.8	10.5	RM/16	29.0	1295
8/15N2XS(FL) 2Y1X95	95	4.0	1.9	12.0	RM/16	30.6	1560
8/15N2XS(FL) 2Y1X120	120	4.0	2.0	13.0	RM/16	32.4	1825
8/15N2XS(FL) 2Y1X150	150	4.5	2.0	15.3	RM/25	34.0	2195
8/15N2XS(FL) 2Y1X185	185	4.5	2.1	16.5	RM/25	35.5	2565
8/15N2XS(FL) 2Y1X240	240	4.5	2.2	19.4	RM/25	38.0	3125
8/15N2XS(FL) 2Y1X300	300	4.5	2.3	21.5	RM/25	40.0	3750
8/15N2XS(FL) 2Y1X400	400	5.0	2.4	24.0	RM/35	36.5	3795
8/15N2XS(FL) 2Y1X500	500	5.0	2.5	27.0	RM/35	39.5	4550
8/15N2XS(FL) 2Y1X630	630	5.0	2.6	30.7	RM/35	44.0	5825
8/15N2XS(FL) 2Y1X800	800	5.0	2.7	32.5	RM/35	48.0	7095

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

For more information contact: 01642 241 133

