

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

Medium voltage power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS2Y 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 a longitudinal applied water blocking layer

Key Features



Installation Guidelines

Should not be installed at temperatures below 0°C



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
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Sheath:** Medium Density Polyethylene (MDPE)
- **Sheath Colour:** Black

Standards

- HD 620 S1
- VDE 0276-620
- BS EN 60332-1-2
- UV Resistant: ISO 4892-3
- IEC 60228
- IEC 60502-2
- IEC 60332-1-2

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

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
8/15N2XSF2Y1X 50	50	4.0	1.7	RM/16	24.0	950
8/15N2XSF2Y1X 70	70	4.0	1.8	RM/16	26.1	1225
8/15N2XSF2Y1X 95	95	4.0	1.9	RM/16	28.0	1520
8/15N2XSF2Y1X 120	120	4.0	2.0	RM/16	29.4	1795
8/15N2XSF2Y1X 150	150	4.5	2.0	RM/25	31.1	2185
8/15N2XSF2Y1X 185	185	4.5	2.1	RM/25	33.0	2520
8/15N2XSF2Y1X 240	240	4.5	2.1	RM/25	34.6	3100
8/15N2XSF2Y1X 300	300	4.5	2.2	RM/25	37.0	3725
8/15N2XSF2Y1X 400	400	5.0	2.3	RM/35	41.0	3750
8/15N2XSF2Y1X 500	500	5.0	2.4	RM/35	44.0	4695
8/15N2XSF2Y1X 630	630	5.0	2.5	RM/35	49.0	7100
8/15N2XSF2Y1X 800	800	5.0	2.6	RM/35	53	8895

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