

N2XSY XLPE PVC 8.7/15 (17.5) kV Cable

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



Installation Guidelines

For Installation Temperatures below 0°C it is recommended that the cable be stored above 0°C for 24 hours prior to installation



Voltage Rating

8.7/15 (18) kV



Minimum Bending Radius

15 x Overall Diameter



Oils, Greases and Chemicals Resistant

Yes



Flame Retardancy

BS EN 60332-1-2



Temperature Limits

Ambient Temperature: -15°C to + 90°C

Construction

- **Conductor:** Class 2 stranded copper conductor
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi conducting compound
- **Metallic Screen:** Copper Wires plus Copper tape
- **Separator:** Polyester Tape
- **Outer Sheath:** Polyvinyl Chloride (PVC)
- **Sheath Colour:** Red

Standards

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

N2XSY XLPE PVC 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)
8/15N2XSY1X 25	25	4.0	1.6	6.0	RM/16	22.5	650
8/15N2XSY1X 35	35	4.0	1.6	7.0	RM/16	23.0	755
8/15N2XSY1X 50	50	4.0	1.7	8.4	RM/16	24.0	895
8/15N2XSY1X 70	70	4.0	1.8	10.0	RM/16	25.5	1100
8/15N2XSY1X 95	95	4.0	1.8	11.5	RM/16	27.5	1375
8/15N2XSY1X 120	120	4.5	2.0	13.0	RM/25	29.0	1635
8/15N2XSY1X 150	150	4.5	2.0	15.0	RM/25	30.5	1895
8/15N2XSY1X 185	185	4.5	2.2	16.5	RM/25	32.5	2270
8/15N2XSY1X 240	240	4.5	2.2	18.5	RM/25	35.0	3150
8/15N2XSY1X 300	300	4.5	2.4	20.5	RM/25	38.0	3465
8/15N2XSY1X 400	400	5.0	2.5	24.0	RM/35	41.0	4350
8/15N2XSY1X 500	500	5.0	2.6	28.0	RM/35	45.0	5825
8/15N2XSY1X 630	630	5.0	2.7	32.0	RM/35	48.0	6855

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