

## N2XSY XLPE PVC - 6/10 (12)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



**Voltage Rating**  
6/10 (12)kV



**Minimum Bending Radius**  
15 x Overall Diameter



**UV/Ozone Resistance**  
Yes



**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
- **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

### Standards

- IEC 60332-1-2
- IEC 60502-2
- IEC 60228
- BS EN 60332-3-24 Cat C

N2XSY XLPE PVC - 6/10 (12)kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
6/10N2XSY1X 50	50	3.0	1.6	9.0	RM/16	22.5	925
6/10N2XSY1X 70	70	3.0	1.7	10.0	RM/16	24.0	1145
6/10N2XSY1X 95	95	3.0	1.7	12.0	RM/16	25.5	1415
6/10N2XSY1X 120	120	3.2	1.8	13.0	RM/16	27.0	1655
6/10N2XSY1X 150	150	3.2	1.8	15.0	RM/25	29.0	2065
6/10N2XSY1X 185	185	3.2	1.9	16.3	RM/25	30.5	2395
6/10N2XSY1X 240	240	3.2	2.0	19.1	RM/25	33.2	2995
6/10N2XSY1X 300	300	3.4	2.1	21.3	RM/25	35.5	3570
6/10N2XSY1X 400	400	3.4	2.2	24.0	RM/35	38.5	4495
6/10N2XSY1X 500	500	3.4	2.3	27.0	RM/35	42.0	5505
6/10N2XSY1X 630	630	3.5	2.4	31.0	RM/35	46.5	6960
6/10N2XSY1X 800	800	3.5	2.5	35.5	RM/35	51.0	8765

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