

N2XSYP XLPE PVC - 18/30 (36)kV Cable

Medium voltage XLPE / PVC power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XSYP 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
18/30 (36)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 60332-1-2

N2XSY XLPE PVC - 18/30 (36)kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
18/30N2XSY1 X50	50	7.5	2.0	9.0	RM/16	32.0	1345
18/30N2XSY1 X70	70	7.5	2.0	10.0	RM/16	33.8	1595
18/30N2XSY1 X95	95	7.5	2.1	12.0	RM/16	35.0	1880
18/30N2XSY1 X120	120	7.5	2.2	13.0	RM/16	36.5	2145
18/30N2XSY1 X150	150	8.0	2.2	15.0	RM/25	38.5	2555
18/30N2XSY1 X185	185	8.0	2.3	16.5	RM/25	39.9	2910
18/30N2XSY1 X240	240	8.0	2.3	19.5	RM/25	42.4	3555
18/30N2XSY1 X300	300	8.0	2.4	21.5	RM/25	45.0	4175
18/30N2XSY1 X400	400	8.0	2.5	24.0	RM/35	48.2	5175
18/30N2XSY1 X500	500	8.5	2.6	27.0	RM/35	51.7	6250
18/30N2XSY1 X630	630	8.5	2.7	30.5	RM/35	56.5	7725
18/30N2XSY1 X800	800	8.5	2.8	35.2	RM/35	61.0	9600

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