

## N2XSYP XLPE PVC - 12/20 (24)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**  
12/20 (24kV)



**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 - 12/20 (24)kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20N2XSY1 X50	50	5.0	1.8	8.5	RM/16	26.4	1095
12/20N2XSY1 X70	70	5.0	1.8	10.0	RM/16	28.5	1340
12/20N2XSY1 X95	95	5.0	1.9	11.9	RM/16	29.5	1595
12/20N2XSY1 X120	120	5.0	1.9	13.2	RM/16	31.5	1895
12/20N2XSY1 X150	150	5.5	2.0	15.0	RM/25	33.3	2275
12/20N2XSY1 X185	185	5.5	2.1	16.5	RM/25	34.5	2625
12/20N2XSY1 X200	240	5.5	2.2	19.0	RM/25	37.3	3240
12/20N2XSY1 X300	300	5.5	2.3	21.4	RM/25	39.5	3825
12/20N2XSY1 X400	400	6.0	2.4	24.0	RM/35	42.5	4765
12/20N2XSY1 X500	500	6.0	2.5	27.0	RM/35	46.2	5795
12/20N2XSY1 X630	630	6.0	2.6	30.5	RM/35	51.1	7280
12/20N2XSY1 X800	800	6.0	2.7	37.2	RM/35	55.6	9150

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