

## N2XS2Y 12/20 (24)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.

### Key Features



**Voltage Rating**  
12/20 (24kV)



**Minimum Bending Radius**  
15 x Overall Diameter



**Temperature Limits**  
Ambient Temperature: -20°C to +60°C

Conductor Operating Temperature:  
+90°C

Short Circuit Temperature up to 5 sec:  
250°C

### Construction

- **Conductor:** Class 2 stranded copper conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi conducting compound
- **Screen:** Copper Wires & Helical Equalising Copper Tape
- **Sheath:** Medium Density Polyethylene (MDPE)
- **Outer Sheath:** Medium Density Polyethylene (MDPE)

- **Sheath Colour:** Red or Black

### Standards

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

N2XS2Y 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)
12/20N2XSFL 2Y1X50	50	2.4	1.8	8.2	RM/16	26.2	1060
12/20N2XSFL 2Y1X70	70	2.4	1.8	9.75	RM/16	28.5	1240
12/20N2XSFL 2Y1X95	95	2.4	1.9	11.55	RM/16	30.2	1550
12/20N2XSFL 2Y1X120	120	2.4	2.0	12.75	RM/16	31.1	1820
12/20N2XSFL 2Y1X150	150	2.4	2.0	14.5	RM/25	32.8	2300
12/20N2XSFL 2Y1X240	240	5.5	2.2	18.7	RM/25	38.3	3270
12/20N2XSFL 2Y1X300	300	5.5	2.2	20.8	RM/25	40.5	3780
12/20N2XSFL 2Y1X400	400	5.5	2.3	23.4	RM/35	43.9	4770
12/20N2XSFL 2Y1X500	500	5.5	2.4	26.5	RM/35	48.6	5780
12/20N2XSFL 2Y1X630	630	5.5	2.5	30.4	RM/35	51.5	7050
12/20N2XSFL 2Y1X630	630	5.5	2.5	30.4	RM/16	3	21

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