

## N2XS(FL)2Y 12/20 (24)kV Cable

Medium voltage MDPE power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS(FL)2Y 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 and three water blocking layers to make it water resistant

### 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
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi-Conductive (XLPE)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Screen:** Copper wires and copper tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Waterblocking Tape:** Al/PET (Aluminium/Polyester) Tape bonded to sheath
- **Longitudinal Water Blocking:** Swellable tapes
- **Outer Sheath:** Medium Density Polyethylene (MDPE)

- **Sheath Colour:** Red or Black

### Standards

- BS EN 60332-1-2
- UV Resistant: ISO 4892-3
- IEC 60228
- IEC 60502-2
- IEC 60332-1-2

N2XS(FL)2Y 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)
12/20N2XS(FL)2Y1X50	50	5.0	1.8	8.5	RM/16	28.0	1140
12/20N2XS(FL)2Y1X70	70	5.0	1.8	10.0	RM/16	29.5	1350
12/20N2XS(FL)2Y1X95	95	5.0	1.9	11.5	RM/16	31.5	1660
12/20N2XS(FL)2Y1X120	120	5.0	1.9	13.0	RM/16	33.0	1965
12/20N2XS(FL)2Y1X150	150	5.0	2.0	15.0	RM/25	34.5	2310
12/20N2XS(FL)2Y1X185	185	5.5	2.0	16.0	RM/25	36.0	2845
12/20N2XS(FL)2Y1X240	240	5.5	2.1	17.0	RM/25	38.5	3295
12/20N2XS(FL)2Y1X300	300	5.5	2.2	21.0	RM/25	41	3830

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