

N2XS(FL)H 6/10 (12)kV Cable

Medium voltage LSZH power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS(FL)2H 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**

6/10 (12)kV

**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 material (bonded)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Screen:** Copper wires and copper tape
- **Waterblocking Tape:** Al/PET (Aluminium/Polyester) Tape bonded to sheath
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red or Black

Standards

- BS EN 60332-3-24 Cat C
- IEC 60332-3-24
- UV Resistant: EN 50396
- IEC 61034-2
- Acid Gas Emission to IEC 60754-1, IEC 60754-2
- IEC 60228
- IEC 60502-2

N2XS(FL)H 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)
6/10N2XS(FL) H1X50	50	3.0	1.6	8.5	RM/16	23.5	995
6/10N2XS(FL) H1X70	70	3.0	1.7	10.0	RM/16	25.0	1235
6/10N2XS(FL) H1X95	95	3.0	1.7	12.0	RM/16	27.0	1440
6/10N2XS(FL) H1X120	120	3.2	1.8	13.2	RM/16	39.0	1740
6/10N2XS(FL) H1X150	150	3.2	1.8	15.0	RM/25	30.5	2050
6/10N2XS(FL) H1X185	185	3.4	1.9	16.2	RM/25	32.0	2550
6/10N2XS(FL) H1X240	240	3.4	2.0	19.0	RM/25	34.5	3080
6/10N2XS(FL) H1X300	300	3.4	2.1	21.0	RM/25	36.5	3820
6/10N2XS(FL) H1X400	400	3.5	2.2	24.0	RM/35	39.5	4575
6/10N2XS(FL) H1X500	500	3.5	2.3	27.0	RM/35	44.0	5825
6/10N2XS(FL) H1X630	630	3.5	2.4	30.5	RM/35	48.0	7080

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