

N2XSH 6/10 (12)kV Cable

Medium voltage LSZH power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. Low smoke zero halogen outer sheath for when there is risk to life and equipment from dangerous fumes. N2XSH cable is suitable for internal and external installation. Cables can be fixed on cable trays, within conduits or fixed to walls and is suitable for burial in ducts. LSZH outer sheath is UV 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)
- **Screen:** Copper wires and copper tape
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red or Black

Standards

- IEC 60502-2
- IEC 60228
- UV Resistant: ISO 4892-3
- IEC 60754-2
- IEC 60754-1
- IEC 61034-1

N2XSH 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)
6/10N2XSH1X 50	50	3.0	1.6	8.5	RM/16	22.5	2550
6/10N2XSH1X 70	70	3.0	1.7	10.0	RM/16	24.5	3565
6/10N2XSH1X 95	95	3.0	1.7	11.5	RM/16	26.0	4795
6/10N2XSH1X 120	120	3.2	1.8	13.0	RM/16	27.5	6050
6/10N2XSH1X 150	150	3.2	1.8	15.2	RM/25	29.0	2055
6/10N2XSH1X 185	185	3.2	1.9	16.5	RM/25	30.5	2325
6/10N2XSH1X 240	240	3.2	2.0	19.0	RM/25	33.5	3075
6/10N2XSH1X 300	300	3.2	2.1	21.0	RM/25	36.0	3625
6/10N2XSH1X 400	400	3.4	2.2	24.2	RM/35	39.5	4555
6/10N2XSH1X 500	500	3.4	2.3	27.3	RM/35	43.0	5595
6/10N2XSH1X 630	630	3.4	2.4	30.5	RM/35	46.5	6835

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For more information contact: 01642 241 133

