N2XSH 6/10 (12)kV Cable - 50mm² to 630mm²



31196

Description

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
6.35/11 (12)kV

Minimum Bending Radius
15 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Temperature Range: -20°C to +60°C
Conductor Operating Temperature: +90°C
Short Circuit Temperature up to 5 sec: 250°C

Standards

- IEC/EN 60332-1-2
- BS EN/IEC 60332-3-24
- IEC 61034-1
- IEC 60754-1
- IEC 60754-2
- UV Resistant: ISO 4892-3
- IEC 60228
- IEC 60502-2

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

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

N2XSH 6/10 (12)kV Cable - 50mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	Nominal Conductor Diameter	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
6/10N2XSH1X50	50	8.5	3.0	RM/16	1.6	22.5	2550
6/10N2XSH1X70	70	10.0	3.0	RM/16	1.7	24.5	3565
6/10N2XSH1X95	95	11.5	3.0	RM/16	1.7	26.0	4795
6/10N2XSH1X120	120	13.0	3.2	RM/16	1.8	27.5	6050
6/10N2XSH1X150	150	15.2	3.2	RM/25	1.8	29.0	2055
6/10N2XSH1X185	185	16.5	3.2	RM/25	1.9	30.5	2325
6/10N2XSH1X240	240	19.0	3.2	RM/25	2.0	33.5	3075
6/10N2XSH1X300	300	21.0	3.2	RM/25	2.1	36.0	3625
6/10N2XSH1X400	400	24.2	3.4	RM/35	2.2	39.5	4555
6/10N2XSH1X500	500	27.3	3.4	RM/35	2.3	43.0	5595
6/10N2XSH1X630	630	30.5	3.4	RM/35	2.4	46.5	6835

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.