

N2XSH 18/30 (36)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
18/30 (36)kV



Minimum Bending Radius
15 x Overall Diameter



Temperature Limits
Temperature Range: -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

N2XSH 18/30 (36)kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
18/30N2XSH1 X50	50	7.5	1.95	8.4	RM/16	32.4	1220
18/30N2XSH1 X70	70	7.5	2.0	10.0	RM/16	33.6	1525
18/30N2XSH1 X95	95	7.5	2.0	11.5	RM/16	35.0	1825
18/30N2XSH1 X120	120	7.5	2.1	13.0	RM/16	36.0	2040
18/30N2XSH1 X150	150	8.0	2.1	15.0	RM/25	38.0	2035
18/30N2XSH1 X185	185	8.0	2.2	16.3	RM/25	40.5	2800
18/30N2XSH1 X240	240	8.0	2.3	19.0	RM/25	43.2	3550
18/30N2XSH1 X300	300	8.0	2.4	21.4	RM/25	45.0	4075

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.

For more information contact: 01642 241 133

