

## N2XSH XLPE LSZH 8.7/15 (17.5) 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**  
8.7/15 (18) 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 (XLPE)
- **Metallic Screen:** Copper Wires plus Copper tape
- **Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red

### Standards

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

N2XSH XLPE LSZH 8.7/15 (17.5) kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
8/15N2XSH1X 35	35	4.0	1.6	7.5	RM/16	26.3	965
8/15N2XSH1X 50	50	4.0	1.6	8.5	RM/16	27.4	1095
8/15N2XSH1X 70	70	4.0	1.7	10.0	RM/25	29.0	1410
8/15N2XSH1X 95	95	4.0	1.8	12.0	RM/35	31.0	1795
8/15N2XSH1X 120	120	4.5	1.8	13.5	RM/50	32.5	2195
8/15N2XSH1X 150	150	4.5	2.0	15.0	RM/50	34.0	2480
8/15N2XSH1X 185	185	4.5	2.1	16.5	RM/50	35.5	2850
8/15N2XSH1X 240	240	4.5	2.2	19.5	RM/50	38.0	3390
8/15N2XSH1X 300	300	5.0	2.3	21.0	RM/50	40.0	3995
8/15N2XSH1X 400	400	5.0	2.4	24.0	RM/50	43.0	4895
8/15N2XSH1X 500	500	5.0	2.5	27.0	RM/50	47.0	5970
8/15N2XSH1X 630	630	5.0	2.6	31.0	RM/50	50.8	7365
8/15N2XSH1X 1000	1000	5.0	2.8	38.5	RM/50	60.0	11000

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