

## N2XS(FL)H 18/30 (36)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**  
18/30 (36)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
- UV Resistant: EN 50396
- IEC 60754-1
- IEC 60754-2
- BS EN 60332-1-2
- IEC 60228
- IEC 60502-2
- IEC 60332-1-2

N2XS(FL)H 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)
18/30N2XS(FL)H1X50	50	7.0	1.8	8.7	RM/16	32.5	1430
18/30N2XS(FL)H1X70	70	7.0	1.9	10.0	RM/16	34.5	1625
18/30N2XS(FL)H1X95	95	7.0	2.0	12.0	RM/16	36.0	1930
18/30N2XS(FL)H1X120	120	7.5	2.1	13.3	RM/16	37.5	2295
18/30N2XS(FL)H1X150	150	7.5	2.2	15.0	RM/25	39.0	2795
18/30N2XS(FL)H1X185	185	7.5	2.2	16.5	RM/25	40.5	3060
18/30N2XS(FL)H1X240	240	7.5	2.3	19.0	RM/25	44.0	3820
18/30N2XS(FL)H1X300	300	8.0	2.4	21.0	RM/25	47.0	4340

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

