

## N2XS(F)H 18/30 (36)kV Cable

LSZH Medium voltage power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS(F)H 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 2 water blocking layers

### 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 conducting compound
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Longitudinal Water Blocking:** Swellable tapes
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red or Black

### Standards

- IEC 60502-2
- IEC 60228
- IEC 60332-1-2
- UV Resistant: ISO 4892-3
- BS EN 60332-1-2

## N2XS(F)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(F) H1X50	50	7.0	1.9	8.2	RM/16	32.5	1250
18/30N2XS(F) H1X70	70	7.0	1.9	9.9	RM/16	33.0	1575
18/30N2XS(F) H1X95	95	7.0	2.0	11.5	RM/16	35.0	1895
18/30N2XS(F) H1X120	120	7.0	2.0	13.0	RM/16	36.5	2100
18/30N2XS(F) HH1X150	150	7.1	2.1	14.5	RM/25	38.5	2620
18/30N2XS(F) H)H1X185	185	7.1	2.2	16.0	RM/25	40	2895
18/30N2XS(F) H1X240	240	7.1	2.3	19.0	RM/25	43.5	3700
18/30N2XS(F) H1X300	300	7.2	2.4	21.0	RM/35	45.5	4250
18/30N2XS(F) H1X400	400	7.2	2.5	24.0	RM/35	49.0	5250
18/30N2XS(F) H1X500	500	7.2	2.65	27.0	RM/35	51.5	6300
18/30N2XS(F) H1X630	630	7.2	2.75	30.5	RM/35	56.5	7800

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