

## N2XS2Y 18/30 (36)kV Cable

Medium voltage power cables for distribution networks. This cable is used extensively in the renewables and datacentre sectors. N2XS2Y 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.

### 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
  - **Insulation:** Cross Linked polyethylene (XLPE)
  - **Insulation Screen:** Semi conducting compound
  - **Screen:** Copper Tape Screen (CTS)
  - **Outer Sheath:** Medium Density Polyethylene (MDPE)
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- **Sheath Colour:** Red or Black

### Standards

- HD 620 S1
- VDE 0276-620
- BS EN 60332-1-2
- UV Resistant: ISO 4892-3
- IEC 60228
- IEC 60502-2
- IEC 60332-1-2

N2XS2Y 18/30 (36)kV Cable - Dimensions

Reference	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
18/30N2XSFL2Y 1X50	7.00	1.9	8.2	RM/16	31.8	1240
18/30N2XSFL2Y 1X70	7.00	2.0	9.9	RM/16	32.9	1550
18/30N2XSFL2Y 1X95	7.00	2.1	11.6	RM/16	35.1	1900
18/30N2XSFL2Y 1X120	7.00	2.15	13.0	RM/16	36.3	2150
18/30N2XSFL2Y 1X150	7.00	2.2	14.6	RM/25	38.2	2620
18/30N2XSFL2Y 1X185	7.00	2.3	16.0	RM/25	39.8	2975
18/30N2XSFL2Y 1X240	7.10	2.3	18.8	RM/25	43.1	3800
18/30N2XSFL2Y 1X300	7.10	2.4	20.8	RM/25	45.4	4250
18/30N2XSFL2Y 1X400	7.10	2.5	23.2	RM/35	48.4	5350
18/30N2XSFL2Y 1X500	7.10	2.6	26.4	RM/35	51.3	6200
18/30N2XSFL2Y 1X630	7.10	2.7	30.3	RM/35	56.4	7600

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