

## NA2XS2Y 18/30 (36)kV Cable



Medium voltage power cables with aluminium Conductor for distribution networks. This cable is used extensively in the renewables and datacentre sectors. NA2XS2Y 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



**UV/Ozone Resistance**  
Yes



**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 Aluminium 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:** Medium Density Polyethylene (MDPE)
  
- **Sheath Colour:** Red or Black

### Standards

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

NA2XS2Y 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)
18/30NA2XS2 Y1X50	50	7.4	1.7	8.4	RM/16	32.0	925
18/30NA2XS2 Y1X70	70	7.4	1.8	10.0	RM/16	33.5	1120
18/30NA2XS2 Y1X95	95	7.6	1.8	11.5	RM/16	35.0	1225
18/30NA2XS2 Y1X120	120	7.6	2.0	13.0	RM/16	36.5	1335
18/30NA2XS2 Y1X150	150	7.8	2.0	14.5	RM/25	38.0	1535
18/30NA2XS2 Y1X185	185	7.8	2.2	16.0	RM/25	40.0	1740
18/30NA2XS2 Y1X240	250	7.8	2.2	18.5	RM/25	43.5	1945
18/30NA2XS2 Y1X300	300	8.0	2.4	21.0	RM/25	46.0	2300
18/30NA2XS2 Y1X400	400	8.0	2.5	24.0	RM/35	48.5	2800
18/30NA2XS2 Y1X500	500	8.2	2.6	26.5	RM/35	52.0	3050
18/30NA2XS2 Y1X630	630	8.2	2.7	30.5	RM/35	56.5	3550

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