

NA2XS(F)2Y 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 two waterblocking layers and a UV Resistant outer sheath.

Key Features



Voltage Rating
18/30 (36)kV



Minimum Bending Radius
15 x Overall Diameter



UV/Ozone Resistance
Yes



Water 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)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Tape:** Longitudinal Water Blocking Tape
- **Outer Sheath:** Medium Density Polyethylene (MDPE)
- **Sheath Colour:** Red or Black

Standards

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

NA2XS(F)2Y 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)
18/30NA2XS(F)2Y1X50	50	7.5	2.0	8.5	RM/16	32.5	1020
18/30NA2XS(F)2Y1X70	70	7.5	2.1	10.0	RM/16	34.0	1125
18/30NA2XS(F)2Y1X95	95	7.5	2.1	11.5	RM/16	36.0	1325
18/30NA2XS(F)2Y1X120	120	7.5	2.1	13.0	RM/16	37.5	1435
18/30NA2XS(F)2Y1X150	150	8.0	2.2	14.5	RM/25	40.0	1635
18/30NA2XS(F)2Y1X185	185	8.0	2.2	16.0	RM/25	41.4	1840
18/30NA2XS(F)2Y1X240	240	8.0	2.4	18.5	RM/25	43.0	1655
18/30NA2XS(F)2Y1X300	300	8.0	2.4	21.0	RM/25	46.5	2065
18/30NA2XS(F)2Y1X400	400	8.5	2.5	23.5	RM/35	49.0	2820
18/30NA2XS(F)2Y1X500	500	8.5	2.6	26.0	RM/35	52.2	3325
18/30NA2XS(F)2Y1X630	630	8.5	2.7	30.5	RM/35	55.5	3825

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