

NA2XS2Y 12/20 (24)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
12/20 (24kV)



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 12/20 (24)kV Cable - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20NA2XS2 Y1X50	50	5.0	1.7	8.5	RM/16	27.0	725
12/20NA2XS2 Y1X70	70	5.0	1.8	10.0	RM/16	28.5	825
12/20NA2XS2 Y1X95	95	5.1	1.8	11.7	RM/16	30.0	930
12/20NA2XS2 Y1X120	120	5.1	1.9	13.0	RM/16	31.5	1030
12/20NA2XS2 Y1X150	150	5.3	2.0	14.6	RM/25	34.0	1335
12/20NA2XS2 Y1X185	185	5.4	2.1	16.0	RM/25	36.0	1435
12/20NA2XS2 Y1X240	240	5.4	2.2	18.5	RM/25	38.5	1638
12/20NA2XS2 Y1X300	300	5.5	2.2	20.7	RM/25	41.0	1945
12/20NA2XS2 Y1X400	400	5.5	2.3	23.5	RM/35	44.0	2275
12/20NA2XS2 Y1X500	500	5.6	2.4	26.4	RM/35	46.5	2815
12/20NA2XS2 Y1X630	630	5.6	2.5	30.5	RM/35	52.0	3320

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