

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

### Key Features



**Voltage Rating**  
12/20 (24kV)



**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
- **Screen:** Copper wires and copper 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 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)
12/20NA2XS(F)2Y1X50	50	4.5	1.8	8.5	RM/16	28.0	725
12/20NA2XS(F)2Y1X70	70	4.5	1.8	10.0	RM/16	29.0	830
12/20NA2XS(F)2Y1X95	95	4.5	2.0	11.5	RM/16	30.5	930
12/20NA2XS(F)2Y1X120	120	4.5	2.0	13.0	RM/16	32.0	1040
12/20NA2XS(F)2Y1X150	150	5.0	2.1	14.5	RM/25	33.5	1345
12/20NA2XS(F)2Y1X185	185	5.0	2.1	16.0	RM/25	36.0	1445

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