

NA2XS(F)2Y 6/10 (12)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
6/10 (12)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 (XLPE)
- **Longitudinal Waterblocking:** Semi-conductive swellable tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Longitudinal Water Blocking:** Swellable tapes
- **Outer Sheath:** Medium Density Polyethylene (MDPE)
- **Sheath Colour:** Red or Black

Standards

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

NA2XS(F)2Y 6/10 (12)kV Cable - Dimensions

| Reference | Conductor Size (mm2) | Insulation Thickness (mm) | Sheath Thickness (mm) | Nominal Conductor Diameter | CWS(mm) | Overall Diameter(mm) | Weight(Kg/Km) |
|----------------------|----------------------|---------------------------|-----------------------|----------------------------|---------|----------------------|---------------|
| 6/10NA2XS(F) 2Y1X50 | 50 | 3.0 | 1.7 | 8.5 | RM/16 | 23.0 | 575 |
| 6/10NA2XS(F) 2Y1X70 | 70 | 3.0 | 1.7 | 10.0 | RM/16 | 24.5 | 675 |
| 6/10NA2XS(F) 2Y1X95 | 95 | 3.0 | 1.8 | 11.6 | RM/16 | 26.0 | 785 |
| 6/10NA2XS(F) 2Y1X120 | 120 | 3.2 | 1.8 | 13.0 | RM/16 | 27.5 | 900 |
| 6/10NA2XS(F) 2Y1X150 | 150 | 3.2 | 1.9 | 14.5 | RM/25 | 29.0 | 1155 |
| 6/10NA2XS(F) 2Y1X185 | 185 | 3.2 | 1.9 | 16 | RM/25 | 31.5 | 1250 |
| 6/10NA2XS(F) 2Y1X240 | 240 | 3.2 | 2.0 | 18.5 | RM/25 | 33.5 | 1450 |
| 6/10NA2XS(F) 2Y1X300 | 300 | 3.4 | 2.2 | 21.0 | RM/25 | 36.5 | 1665 |
| 6/10NA2XS(F) 2Y1X400 | 400 | 3.4 | 2.2 | 23.5 | RM/35 | 39.5 | 2075 |
| 6/10NA2XS(F) 2Y1X500 | 500 | 3.4 | 2.4 | 26.0 | RM/35 | 42.6 | 2595 |
| 6/10NA2XS(F) 2Y1X630 | 630 | 3.4 | 2.4 | 30.5 | RM/35 | 46.8 | 3115 |

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