

NA2XS(FL)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. NA2XS(FL)2Y 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 longitudinal waterblocking layers and a radial waterblocking aluminium tape which is bonded to a UV Resistant MDPE 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 material (bonded)
 - **Longitudinal Waterblocking:** Swellable Tapes
 - **Screen:** Copper wires and copper tape
 - **Waterblocking Tape:** Al/PET (Aluminium/Polyester) Tape bonded to sheath
 - **Outer Sheath:** Medium Density Polyethylene (MDPE)
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- **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(FL)2Y 6/10 (12)kV Cable - Dimensions

Reference	Conductor Size (mm ²)	Insulation Thickness (mm)	Sheath Thickness (mm)	Nominal Conductor Diameter	CWS(mm)	Overall Diameter(mm)	Weight(Kg/Km)
6/10NA2XS(F L)2Y1X50	50	3.0	1.6	8.5	RM/16	23.0	595
6/10NA2XS(F L)2Y1X70	70	3.2	1.7	10.0	RM/16	34.5	695
6/10NA2XS(F L)2Y1X95	95	3.4	1.7	11.5	RM/16	26.0	810
6/10NA2XS(F L)2Y1X120	120	3.4	1.8	13.0	RM/16	27.5	925
6/10NA2XS(F L)2Y1X150	150	3.5	1.9	14.5	RM/25	29.0	1175
6/10NA2XS(F L)2Y1X185	185	3.5	1.9	16.0	RM/25	31.5	1275
6/10NA2XS(F L)2Y1X240	240	3.5	2.0	18.5	RM/25	33.5	1475
6/10NA2XS(F L)2Y1X300	300	3.5	2.2	21.0	RM/25	37.0	1675
6/10NA2XS(F L)2Y1X400	400	4.0	2.2	23.5	RM/35	39.5	2085
6/10NA2XS(F L)2Y1X500	500	4.0	2.4	27.0	RM/35	43.0	2595
6/10NA2XS(F L)2Y1X630	630	4.0	2.5	30.5	RM/35	46.5	3120

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