

NA2XSH 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. NA2XSH 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 Low smoke zero halogen UV Resistant outer sheath.

Key Features



Voltage Rating
6/10 (12)kV



Minimum Bending Radius
15 x Overall Diameter



UV/Ozone Resistance
Yes



Flame Retardancy
BS EN 60332-1-2



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)
- **Filler:** LSZH (Low Smoke Zero Halogen)
- **Screen:** Copper wires and copper tape
- **Metallic Screen:** Copper Wires plus Copper tape
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red

Standards

- IEC/EN 60754-1/2
- IEC/EN 61034-1/2,
- IEC 60228
- IEC 60502-2
- IEC 60332-1-2

NA2XSH 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)
6/10NA2XS1X 50	50	3.0	1.7	8.5	RM/16	23.5	595
6/10NA2XS1X 70	70	3.0	1.7	10.0	RM/16	24.5	695
6/10NA2XS1X 95	95	3.0	1.8	12.0	RM/16	26.0	795
6/10NA2XS1X 120	120	3.2	1.8	13.0	RM/16	27.5	915
6/10NA2XS1X 150	150	3.2	1.9	15.0	RM/25	29.0	1170
6/10NA2XS1X 185	185	3.2	1.9	16.0	RM/25	31.5	1275
6/10NA2XS1X 240	240	3.2	2.1	19.0	RM/25	34.0	1475
6/10NA2XS1X 300	300	3.4	2.1	21.0	RM/25	36.5	1680
6/10NA2XS1X 400	400	3.4	2.2	24.0	RM/35	40.0	2085
6/10NA2XS1X 500	500	3.5	2.4	26.5	RM/35	42.5	2685
6/10NA2XS1X 630	630	3.5	2.5	31.0	RM/35	46.7	3105

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