

NA2XS(FL)H 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. NA2XS(FL)H 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, a radial waterblocking layer and a UV Resistant LSZH outer sheath.

Key Features



Voltage Rating
12/20 (24kV)



Minimum Bending Radius
15 x Overall Diameter



UV/Ozone Resistance
Yes



Water Resistance
Yes



Flame Retardancy
In accordance with IEC 60332-3-24 Cat C



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
- **Metallic Screen:** Copper Wires plus Copper tape
- **Tape:** Longitudinal Water Blocking Tape
- **Radial Water Blocking:** Al/PET (Aluminium/Polyester) Tape bonded to sheath
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red or Black

Standards

- IEC 60332-1-2
- BS EN / IEC 60332-3-24 (cat C)
- IEC 60502-2
- IEC 60228
- BS EN 60332-1-2
- IEC 60754-2
- IEC 60754-1
- IEC 61034-2
- UV Resistant: EN 50396

NA2XS(FL)H 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)
10/12NA2XS(FL)H1X50	50	5.0	1.7	8.5	RM/16	27.5	835
10/12NA2XS(FL)H1X70	70	5.0	1.8	10.0	RM/16	29.0	940
10/12NA2XS(FL)H1X95	95	5.2	1.9	11.5	RM/16	31.0	1150
10/12NA2XS(FL)H1X120	120	5.2	2.0	13.0	RM/16	32.5	1250
10/12NA2XS(FL)H1X150	150	5.4	2.1	14.5	RM/25	34.5	1460
10/12NA2XS(FL)H1X185	185	5.4	2.1	16.0	RM/25	36.0	1670
10/12NA2XS(FL)H1X240	240	5.4	2.2	18.5	RM/25	38.5	1875
10/12NA2XS(FL)H1X300	300	5.5	2.3	21.0	RM/25	41.5	2075
10/12NA2XS(FL)H1X400	400	5.5	2.4	24.0	RM/35	44.5	2575
10/12NA2XS(FL)H1X500	500	5.5	2.5	26.5	RM/35	48.0	3085
10/12NA2XS(FL)H1X630	630	5.5	2.6	30.5	RM/35	52.0	3595

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