NA2XS(F)H 12/20 (24)kV Cable - 50mm² to 630mm²



Description

Medium voltage power cables with aluminium Conductor for distribution networks. This cable is used extensively in the renewables and datacentre sectors. NA2XS(F)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 waterblocking layers and a UV Resistant Low Smoke, Zero Halogen (LSZH) outer sheath.

Key Features

Voltage Rating
12/20 (24)kV

Minimum Bending Radius
15 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3-24

Temperature Limits
Temperature Range: -20°C to +60°C
Conductor Operating Temperature: +90°C
Short Circuit Temperature up to 5 sec: 250°C

Standards

- BS EN/IEC 60332-1-2
- BS EN 60332-3-24 Cat C
- UV Resistant: EN 50396
- IEC 60228
- IEC 60502-2

Construction

- **Conductor**: Class 2 Stranded Aluminium Conductor
- **Conductor Screen**: Semi-Conductive material
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Semi-conductive material (bonded)
- **Longditudinal Waterblocking**: Semi-conductive swellable tape
- **Screen**: Copper wires and copper tape
- **Metallic Screen**: Copper Wires plus Copper tape
- **Tape**: Longditudinal Water Blocking Tape
- **Outer Sheath**: Low Smoke Zero Halogen (LSZH)
- **Sheath Colour**: Red or Black

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory
UKAS TESTING 31196

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

NA2XS(F)H 12/20 (24)kV Cable - 50mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	Nominal Conductor Diameter	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20NA2XS(F)H1X 50	50	8.5	5.0	RM/16	1.7	27.5	820
12/20NA2XS(F)H1X 70	70	10.0	5.0	RM/16	1.8	29.0	925
12/20NA2XS(F)H1X 95	95	11.5	5.0	RM/16	1.9	31.0	1125
12/20NA2XS(F)H1X 120	120	13.0	5.0	RM/16	2.0	32.5	1235
12/20NA2XS(F)H1X 150	150	14.5	5.0	RM/25	2.0	34.5	1440
12/20NA2XS(F)H1X 185	185	16.0	5.5	RM/25	2.1	36.0	1245
12/20NA2XS(F)H1X 240	240	18.5	5.5	RM/25	2.2	38.0	1650
12/20NA2XS(F)H1X 300	300	21.0	5..5	RM/25	2.3	41.5	1850
12/20NA2XS(F)H1X 400	400	24.0	5.5	RM/35	2.4	44.5	2555
12/20NA2XS(F)H1X 500	500	26.5	6.0	RM/35	2.5	48.0	3065
12/20NA2XS(F)H1X 630	630	30.5	6.0	RM/35	2.6	51.5	3575

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