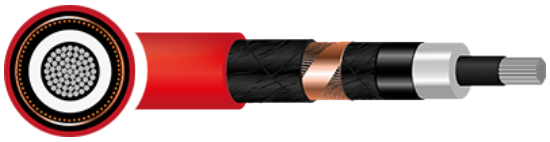
NA2XS(FL)H 24kV Power Cable



Description

Medium voltage power cables for fixed installations in distribution networks and for connection to process machinery, Plant and to power generation equipment. Cables can be fixed on cable trays, within conduits or fixed to walls. This cable is not suitable for direct burial.

Should not be installed at temperatures below 0°C

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: -5°C to +90°C

Standards

- IEC 60502-02
- BS EN/IEC 60332-3-24 (cat C)
- UV Resistant: EN 50396
- IEC/EN 61034-1/2,
- IEC/EN 60754-1/2
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228

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
- **Metallic Screen**: Copper Wires plus Copper tape
- **Water Blocking**: Radial applied Al/PET Tape
- **Outer Sheath**: Low Smoke Zero Halogen (LSZH)

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

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(FL)H 24kV Power Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
22KVNA2XSFLH1X35	35	1	28	850
22KVNA2XSFLH1X50	50	1	29	900
22KVNA2XSFLH1X70	70	1	31	1000
22KVNA2XSFLH1X95	95	1	33	1200
22KVNA2XSFLH1X120	120	1	34	1300
22KVNA2XSFLH1X150	150	1	36	1500
22KVNA2XSFLH1X185	185	1	37	1650
22KVNA2XSFLH1X240	240	1	39	1900
22KVNA2XSFLH1X300	300	1	41	2200
22KVNA2XSFLH1X400	400	1	44	2600
22KVNA2XSFLH1X500	500	1	47	3000
22KVNA2XSFLH1X630	630	1	52	3500

NA2XS(FL)H – ELECTRICAL CHARACTERISTICS

CONDUCTOR SIZE	NOMINAL ELECTRICAL RESISTANCE AT 20°C	NOMINAL ELECTRICAL RESISTANCE AT 20°C	CURRENT CARRYING CAPACITY		NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR
			20°C IN GROUND /DUCT	30°C IN OPEN AIR	
MM^2	Ω/KM	Ω/KM	AMPS	AMPS	kA
35	0.868	1.120	145	154	3.29
50	0.641	0.825	195	217	4.70
70	0.443	0.570	237	270	6.58
95	0.320	0.412	282	328	8.93
120	0.253	0.328	320	378	11.28
150	0.206	0.268	353	425	14.10
185	0.164	0.213	396	485	17.39
240	0.125	0.163	457	573	22.56
300	0.100	0.132	511	652	28.20
400	0.0778	0.103	566	740	37.60
500	0.0605	0.081	630	838	47.00
630	0.0469	0.064	701	882	59.22
240	0.0801	0.0801	379	607	0.0801
300	0.0641	0.0641	429	703	0.0641
400	0.0486	0.0486	541	823	0.0486

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