Nexans - NA2XS(FL)2Y 6/10 (12)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(FL)2Y cable is suitable for external installation and is supplied by Nexans. Cables can be fixed on cable trays, within conduits or fixed to walls and are 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
6.35/11 (12)kV

Minimum Bending Radius
15 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2

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 60332-1-2
- UV Resistant: ISO 4892-3
- 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**: Swellable tapes
- **Metallic Screen**: Copper Wires plus Copper tape
- **Water Blocking**: Al/PET (Aluminium/Polyester) Tape bonded to sheath
- **Outer Sheath**: Medium Density Polyethylene (MDPE)
- **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

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

Nexans - NA2XS(FL)2Y 6/10 (12)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)
6/10NA2XS(FL)2Y1X50	50	8.5	3.0	RM/16	1.6	23.0	595
6/10NA2XS(FL)2Y1X70	70	10.0	3.2	RM/16	1.7	34.5	695
6/10NA2XS(FL)2Y1X95	95	11.5	3.4	RM/16	1.7	26.0	810
6/10NA2XS(FL)2Y1X120	120	13.0	3.4	RM/16	1.8	27.5	925
6/10NA2XS(FL)2Y1X150	150	14.5	3.5	RM/25	1.9	29.0	1175
6/10NA2XS(FL)2Y1X185	185	16.0	3.5	RM/25	1.9	31.5	1275
6/10NA2XS(FL)2Y1X240	240	18.5	3.5	RM/25	2.0	33.5	1475
6/10NA2XS(FL)2Y1X300	300	21.0	3.5	RM/25	2.2	37.0	1675
6/10NA2XS(FL)2Y1X400	400	23.5	4.0	RM/35	2.2	39.5	2085
6/10NA2XS(FL)2Y1X500	500	27.0	4.0	RM/35	2.4	43.0	2595
6/10NA2XS(FL)2Y1X630	630	30.5	4.0	RM/35	2.5	46.5	3120

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