N2XHFR Fire Resistant Cable Single Core - CU, MGT, XLPE, LSZH - 16mm² to 630mm²



Description

N2XHFR is a fire-resistant, halogen-free power cable designed for fixed electrical installations where circuit integrity and reduced smoke and corrosive gas emissions are required in the event of fire. The cable features a copper conductor, XLPE insulation, fire-resistant mica/glass tape and an LSZH outer sheath.

Suitable for installation in commercial, industrial and public buildings, including cable trays, conduits and other fixed installation systems. The cable is designed to provide reliable power transmission while maintaining circuit integrity under fire conditions.

Key Features

Voltage Rating
600/1000 Volts

Minimum Bending Radius
8 x Overall Diameter

Flame Retardancy
IEC 60332-3-24c

Temperature Limits
Temperature Range:-20°C to +90°C

Standards

- IEC 60502-1
- BS6387
- IEC 60228
- IEC 60754-2
- IEC 60754-1
- IEC 61034-2
- IEC 60332-3-24

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Protective Tape**: Mica Glass Tape (MGT) Layer
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Outer Sheath**: Low Smoke Zero Halogen (LSZH)
- **Sheath Colour**: Green/Yellow 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

N2XHFR Fire Resistant Cable Single Core - CU, MGT, XLPE, LSZH - 16mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(Upper)	Weight(Kg/Km)
N2XHFR1X16	16	0.7	0.92	10.5	220
N2XHFR1X25	25	0.9	0.92	12.1	310
N2XHFR1X35	35	0.9	0.92	13.2	410
N2XHFR1X50	50	1	0.92	15	540
N2XHFR1X70	70	1.1	0.92	16.7	740
N2XHFR1X95	95	1.1	1	18.7	1000
N2XHFR1X120	120	1.2	1	20.6	1230
N2XHFR1X150	150	1.4	1.08	22.5	1510
N2XHFR1X185	185	1.6	1.08	24.2	1820
N2XHFR1X240	240	1.7	1.16	27.2	2370
N2XHFR1X300	300	1.8	1.24	30.3	2990
N2XHFR1X400	400	2	1.32	33.1	3750
N2XHFR1X500	500	2.2	1.40	37.8	4850
N2XHFR1X630	630	2.4	1.56	42.7	6230

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