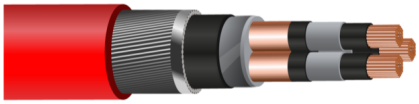
Nexans - BS7835 3 Core Armoured Mains Cable CU XLPE LSZH 12.7/22kV - 50mm² to 500mm²



Description

BS7835 cables from Nexans are armoured power cables designed for medium voltage fixed installations, such as power networks and industrial installations, including power supply stations and substations. Can be installed indoors, outdoors, underground, and in cable ducts. These single core cables have copper conductors with cross-linked polyethylene (XLPE) insulation, various screen options, water blocking options, aluminium wire armour and LSZH bedding and outer sheath.

The UV resistant LSZH outer sheath means this cable is suitable for internal use in buildings, power stations, or switchboards and are often run in cable tray for industrial applications. They can also be used externally in cable duct and due to the armour can be buried directly in free draining soil.

Key Features

Voltage Rating
12.7/22 (24)kV

Minimum Bending Radius
12 x Overall Diameter

Flame Retardancy
BS EN/IEC 60332-1-2
BS EN/IEC 60332-3-24

Temperature Limits
Conductor Maximum Operating Temperature: +90°C
Maximum Short Circuit Temperature: +250°C

Core Colours

3 Core: Brown | Black | Grey Tape

Outer Sheath: Red or Black

Standards

- BS 7835
- IEC 60332-1-2 & BS EN/IEC60332-3-24 (Cat C)
- BS EN/IEC 61034-1/2
- BS EN/IEC 60754-1/2

Construction

- **Conductor**: Class 2 Copper Conductor
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Semi conductive XLPE
- **Metallic Screen**: Individual copper tape screen
- **Filler**: Polyethylene Terephthalate (PET) fibres
- **Bedding**: Low Smoke Zero Halogen (LSZH)
- **Armour**: Steel Wire Armour (SWA)
- **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
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

Nexans - BS7835 3 Core Armoured Mains Cable CU XLPE LSZH 12.7/22kV - 50mm² to 500mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
22KVXLPE3X50	50	3	2.20	60.0	5820
22KVXLPE3X70	70	3	2.30	64.0	6825
22KVXLPE3X95RD	95	3	2.45	70.0	8000
22KVXLPE3X95BK	95	3	2.45	70.0	8010
22KVXLPE3X120RD	120	3	2.50	75.0	9710
22KVXLPE3X120BK	120	3	2.50	75.0	9715
22KVXLPE3X150RD	150	3	2.68	79.0	10900
22KVXLPE3X150RD	150	3	2.70	79.0	10900
22KVXLPE3X185RD	185	3	2.75	81.0	12250
22KVXLPE3X185BK	185	3	2.75	81.5	12250
22KVXLPE3X240	240	3	2.85	87.5	14500
22KVXLPE3X300	300	3	3.00	94.0	17000
22KVXLPE3X400	400	3	3.25	100.0	20250
22KVXLPE3X500	500	3	3.50	107.0	24000

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