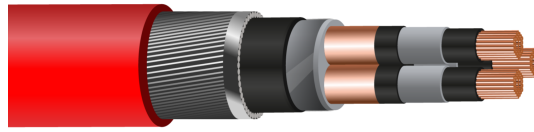


BS7835 3 Core Armoured Mains Cable CU XLPE SWA LSZH 8.7/15kV - 50mm² to 500mm²



Description

BS67835 cables are armoured power cables designed for medium voltage fixed installations, such as power networks and industrial installations, including power supply stations, and sub stations. Can be installed indoors, outdoors, underground, and in cable ducts. These 3 core cables have copper conductors with cross-linked polyethylene (XLPE) insulation various screen options, water blocking options, steel wire armour and LSZH bedding and outer sheath.

BS7835 have a higher CPR classification than BS6622 which is the available PVC option. 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 steel wired armour can be buried directly in free draining soil

Key Features



Voltage Rating
8.7/15kV



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

Standards

- BS 7835
- BS EN/IEC 60332-1-2 & BS EN/IEC 60332-3-24
- BS EN/IEC 61034-1/2
- BS EN/IEC 60754-1/2

Construction

- **Conductor:** Class 2 Copper Conductor
- **Conductor Screen:** Semi conductive XLPE
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi conductive XLPE
- **Metallic Screen:** Individual or overall copper tape screen
- **Filler:** Polyethylene Terephthalate (PET) fibres
- **Separator:** Binding Tape
- **Bedding:** Low Smoke Zero Halogen (LSZH)
- **Armour:** Steel Wire Armour (SWA)
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)
- **Sheath Colour:** Red or Black

QA Lab

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. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



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

ecovadis

BS7835 3 Core Armoured Mains Cable CU XLPE SWA LSZH 8.7/15kV - 50mm² to 500mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
15KVXLPE3X50	50	3	2.10	56..5	5245
15KVXLPE3X70	70	3	2.20	60.5	6250
15KVXLPE3X95	95	3	2.30	65.0	7300
15KVXLPE3X120	120	3	2.35	68.0	8250
15KVXLPE3X150	150	3	2.50	74.5	10260
15KVXLPE3X185	185	3	2.60	77.5	11500
15KVXLPE3X240	240	3	2.75	83.0	13750
15KVXLPE3X300	300	3	2.85	88.0	16250
15KVXLPE3X400	400	3	3.10	95.0	19450
15KVXLPE3X500	500	3	3.25	104	23200

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