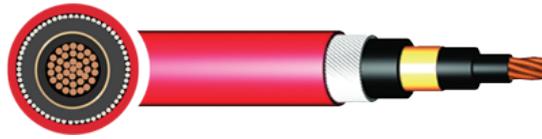


# BS7835 Single Core Armoured Power Cable 11kV - XLPE, AWA, LSZH - 50mm<sup>2</sup> to 630mm<sup>2</sup>



## Description

BS7835 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 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**  
6.35kV / 11kV (12kV)  
Tested To Voltage And Duration of BS7835



**Minimum Bending Radius**  
15 x Overall Diameter



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



**Temperature Limits**  
Maximum operating temp: 90°C  
Initial temperature at S.C.C for screen: 80°C  
Maximum temp during short circuit: 250°C

## Core Colours

Outer Sheath: Red or Black

## Standards

- BS 7835
- IEC 61034-1
- BS EN/IEC 60228
- BS EN/IEC 60754-1
- BS EN/IEC 60332-1-2 & BS EN/IEC 60332-3-24

## Construction

- **Conductor:** Class 2 stranded copper conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi-Conductive XLPE
- **Bedding:** LSZH (Low smoke Zero Halogen)
- **Metallic Screen:** Individual copper tape screen
- **Armour:** Aluminium Wire Armour (AWA)
- **Outer Sheath:** Low Smoke Zero Halogen (LSZH)

## 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 Single Core Armoured Power Cable 11kV - XLPE, AWA, LSZH - 50mm<sup>2</sup> to 630mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)	Trefoil Cleat	Nylon Cleat Size
10050	50	1	19/1.78	28.7	1200	TASB04	12
10051	70	1	19/2.14	30.5	1461	TASB05	14
10052	95	1	19/2.52	32.2	1761	TASB06	14
10053	120	1	37/2.03	33.8	2049	TASB07	14
10054	150	1	37/2.25	36.2	2451	TASB08	16
10055	185	1	37/2.52	37.9	2848	TASB09	16
10056	240	1	61/2.25	40.4	3470	TASB11	16
10057	300	1	61/2.52	42.6	4103	TASB12	18
10058	400	1	61/2.85	46.1	4995	TASB15	18
10059	500	1	61/3.20	50	6320	TASB17	20
10060	630	1	127/2.52	54	7840	TASB19	TC9

