

BS6622 XLPE/PVC Medium Voltage Single Core Copper Mains Cable 12.7/22kV-50mm² to 500mm²



Description

BS6622 cables are armoured power cables designed for medium voltage fixed installations, such as power networks and industrial installations, including those in power supply stations, indoors, outdoors, underground, and in cable ducts. These 33kV single core cables have copper conductors with cross-linked polyethylene (XLPE) insulation various screen options, water blocking options, aluminium wire armour and PVC bedding and outer sheath.

BS6622 cables are 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 aluminium wired armour can be buried directly in free draining soil.

Key Features



Voltage Rating
12.7/22 (24)kV



Minimum Bending Radius
15 x Overall Diameter



Flame Retardancy
BS EN 60332-1-2



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

Sheath Colour: Red or Black

Single Core: Brown

Standards

- BS6622
- IEC 60502-2
- BS EN/IEC 60332-1-2
- BS EN/IEC 60228

Construction

- **Conductor:** Class 2 Copper Conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Strippable Extruded Semi Conductor
- **Bedding:** Polyvinyl Chloride (PVC)
- **Metallic Screen:** Individual or overall copper tape screen
- **Bedding:** Polyvinyl Chloride (PVC)
- **Armour:** Aluminium Wire Armour (AWA)
- **Sheath:** PVC (Polyvinyl Chloride)

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

BS6622 XLPE/PVC Medium Voltage Single Core Copper Mains Cable 12.7/22kV-50mm² to 500mm² - Dimensions

| Reference | Conductor Size (mm2) | No Of Cores | Sheath Thickness (mm) | Overall Diameter(mm) | Weight(Kg/Km) |
|-----------------|----------------------|-------------|-----------------------|----------------------|---------------|
| 22KVXLPE1X50 | 50 | 1 | 1.40 | 31.5 | 1495 |
| 22KVXLPE1X70 | 70 | 1 | 1.46 | 34.0 | 1800 |
| 22KVXLPE1X95 | 95 | 1 | 1.49 | 36.0 | 2110 |
| 22KVXLPE1X120 | 120 | 1 | 1.55 | 37.0 | 2510 |
| 22KVXLPE1X150 | 150 | 1 | 1.59 | 40.0 | 2750 |
| 22KVXLPE1X185RD | 185 | 1 | 1.65 | 41.5 | 3110 |
| 22KVXLPE1X185BK | 185 | 1 | 1.65 | 41.5 | 3110 |
| 22KVXLPE1X240 | 240 | 1 | 1.72 | 45.0 | 4020 |
| 22KVXLPE1X300 | 300 | 1 | 1.8 | 46.5 | 4625 |
| 22KVXLPE1X400 | 400 | 1 | 1.9 | 50.5 | 5595 |
| 22KVXLPE1X500 | 500 | 1 | 2.0 | 53.5 | 6750 |

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