

# BS 6622 XLPE/PVC Medium Voltage 3 Core Copper Mains Cable 12.7/22kV-50mm<sup>2</sup> to 400mm<sup>2</sup>















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### 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 cables have copper or aluminium conductors with cross-linked polyethylene (XLPE) insulation various scrren options, water blocking options, steel 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 be directly buried in the ground or in cable ducts or outdoors where they are exposed to the elements. Though the red outer sheath may be prone to fading through exposure to UV rays.

## **Key Features**



Voltage Rating 12.7/22 (24)kV



Minimum Bending Radius 15 x Overall Diameter



Flame Retardancy BS EN/IEC 60332-1-2



**Temperature Limits** 

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

### **Standards**

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

#### 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: Polyvinyl Chloride (PVC)
- Armour: Steel Wire Armour (SWA)
- Outer Sheath: Polyvinyl Chloride (PVC)
- 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.



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



















# BS 6622 XLPE/PVC Medium Voltage 3 Core Copper Mains Cable 12.7/22kV-50mm<sup>2</sup> to 400mm<sup>2</sup> - Dimensions

| Reference     | Conductor Size (mm2) | No Of Cores | Sheath Thickness (mm) | Overall Diameter(mm) | Weight(Kg/Km) |
|---------------|----------------------|-------------|-----------------------|----------------------|---------------|
| 22KVXLPE3X50  | 50                   | 3           | 3.10                  | 59.0                 | 5975          |
| 22KVXLPE3X70  | 70                   | 3           | 3.10                  | 64.0                 | 6985          |
| 22KVXLPE3X95  | 95                   | 3           | 3.20                  | 67.5                 | 8075          |
| 22KVXLPE3X120 | 120                  | 3           | 3.40                  | 72.5                 | 10000         |
| 22KVXLPE3X150 | 150                  | 3           | 3.50                  | 76.0                 | 11270         |
| 22KVXLPE3X185 | 185                  | 3           | 3.60                  | 80.0                 | 12680         |
| 22KVXLPE3X240 | 240                  | 3           | 3.70                  | 85.0                 | 15125         |
| 22KVXLPE3X300 | 300                  | 3           | 3.95                  | 91.0                 | 17435         |
| 22KVXLPE3X400 | 400                  | 3           | 4.10                  | 97.2                 | 20715         |

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