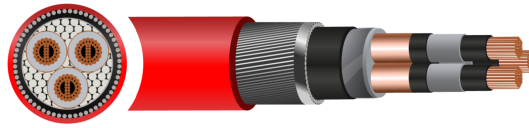


# Nexans - BS6622 XLPE/PVC Medium Voltage 3 Core Copper Mains Cable 12.7/22kV-50mm<sup>2</sup> to 400mm<sup>2</sup>



## Description

BS6622 cables from Nexans 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 screen 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 also be used externally in cable duct and, due to being armoured, Nexans cables 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/IEC 60332-1-2



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

## Core Colours

3 Core

Brown Black Grey Tape

## Standards

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

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

## 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

Nexans - BS6622 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         |

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

