BS6622 Single Core Copper Mains Cable 19/33kV - CU, XLPE, AWA, PVC - 70mm² to 800mm²



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
19/33 (36)kV

Minimum Bending Radius
Fixed: 12 x Overall Diameter
Flexing:15 x Overall Diameter

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

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**: Semi-Conductive XLPE
- **Metallic Screen**: Individual copper tape screen
- **Bedding**: Polyvinyl Chloride (PVC)
- **Armour**: Aluminium Wire Armour (AWA)
- **Outer Sheath**: Polyvinyl Chloride (PVC)
- **Sheath Colour**: Red

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory

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

BS6622 Single Core Copper Mains Cable 19/33kV - CU, XLPE, AWA, PVC - 70mm² to 800mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
33KVXLPE1X70RD	70	1	19/1.53	2.2	39.0	2075
33KVXLPE1X95RD	95	1	19/1.78	2.3	40.5	2400
33KVXLPE1X120RD	120	1	19/2.14	2.3	42.0	2700
33KVXLPE1X150RD	150	1	19/2.52	2.4	45.0	3200
33KVXLPE1X185RD	185	1	37/2.03	2.5	46.5	3625
33KVXLPE1X240RD	240	1	61/2.25	2.6	49.2	4312
33KVXLPE1X300RD	300	1	61/2.52	2.6	51.5	5000
33KVXLPE1X400RD	400	1	61/285	2.7	54.5	5965
33KVXLPE1X500RD	500	1	61/3.20	2.8	58.0	7110
33KVXLPE1X630RD	630	1	127/2.52	3.0	63.5	8785
33KVXLPE1X800RD	800	1	127/2.85	3.1	67.5	10770

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