

BS 6622 XLPE/PVC/AWA Medium Voltage Single Core Copper Mains Cable 8.7/15kV-50mm² to 630mm²



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 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 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 8.7/15kV



Minimum Bending Radius 15 x Overall Diameter



Temperature Limits
Temperature Range: 0°C to +90°C

Core Colours

Sheath Colour: Red or Black

Standards

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

Construction

- Conductor: Class 2 Copper Conductor
- Conductor Screen: Semi conductive XLPE
- Insulation: Cross Linked polyethylene (XLPE)
- Insulation Screen: Semi-Conductive XLPE
- Metallic Screen: Individual copper tape screen
- Separator: Binding Tape
- Bedding: Polyvinyl Chloride (PVC)
- Armour: Aluminium Wire Armour (AWA)
- 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.



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



















BS 6622 XLPE/PVC/AWA Medium Voltage Single Core Copper Mains Cable 8.7/15kV-50mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
15KVXLPE1X50RD	50	1	19/1.78	1.32	29	1399
15KVXLPE1X50BK	50	1	19/1.78	1.32	29	1395
5KVXLPE1X70RD	70	1	19/2.14	1.40	31.5	1695
15KVXLPE1X70BK	70	1	19/2.14	1.40	31.5	1699
5KVXLPE1X95RD	95		19/2.52	1.48	34.5	2105
15KVXLPE1X95BK	95	1	19/2.52	1.48	34.5	2110
5KVXLPE1X120RD	120	1	37/2.03	1.50	35.5	2355
15KVXLPE1X120BK	120	1	37/2.03	1.50	35.5	2360
5KVXLPE1X150RD	150	1	37/2.25	1.55	37.2	2695
15KVXLPE1X150BK	150	1	37/2.25	1.55	37.2	2700
5KVXLPE1X185RD	185	1	37/2.52	1.55	39.3	3199
15KVXLPE1X185BK	185	1	37/2.52	1.55	39.3	3210
5KVXLPE1X240RD	240	1	61/2.25	1.65	42.0	3755
15KVXLPE1X240BK	240	1	61/2.25	1.65	42.0	3760
5KVXLPE1X300RD	300	1	61/2.52	1.72	45.2	4590
15KVXLPE1X300BK	300	1	61/2.52	1.72	45.2	4600
5KVXLPE1X400RD	400	1	61/2.85	1.80	48.5	5510
15KVXLPE1X400BK	400	1	61/2.85	1.80	48.5	5525
5KVXLPE1X500RD	500	1	61/3.20	1.90	51.0	6750
15KVXLPE1X500BK	500	1	61/3.20	1.90	51.0	6760
5KVXLPE1X630RD	630	1	127/2.52	2.0	56.2	8205
15KVXLPE1X630BK	630	1	127/2.52	2.0	56.2	8215

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