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



Description

Nexans 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 from Nexans 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 wire 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 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)

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
31196

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

Nexans - 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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