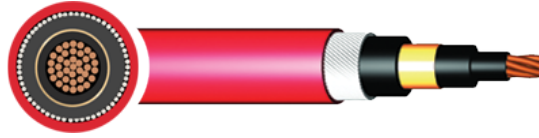


Nexans - BS6622 Single Core Mains Cable 6.35/11kV - CU, XLPE, AWA, PVC - 50mm² to 800mm²



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 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.

Nexans 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, can be buried directly in free-draining soil.

Key Features



Voltage Rating
6.35/11 (12)kV



Minimum Bending Radius
15 x Overall Diameter



Temperature Limits
Temperature Range: -15°C to +90°C

Core Colours

Sheath Colour: Red or Black

Single Core: Brown

Standards

- BS6622
- BS EN/IEC 60228

Construction

- **Conductor:** Class 2 stranded copper conductor
- **Inner Semi-Conductor:** Bonded Semi-Conductive Material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Outer Semi Conductor:** Extruded Outer Semi Conductor (Strippable Type)
- **Metallic Screen:** Copper tape screen
- **Bedding:** Polyvinyl Chloride (PVC)
- **Armour:** Aluminium Wire Armour (AWA)
- **Tape Separator:** Binder tape
- **Outer Sheath:** Polyvinyl Chloride (PVC)
- **Sheath Colour:** Red

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 Single Core Mains Cable 6.35/11kV - CU, XLPE, AWA, PVC - 50mm² to 800mm² - Dimensions

Reference	Short circuit screen 1s [kA]	Short circuit conductor 1s [kA]	Perm. Current buried / direct 20°C [A]	Perm current rating in air 30°C [A]	Max. DC Resist. Cond. 20°C [Ohm/km]	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
10002	0.77	10	246	356	0.268	70	1	28.0	1500
10003	0.58	13.6	293	434	0.193	95	1	30.0	1800
10004	0.77	17.2	332	500	0.153	120	1	33.0	2250
10005	0.77	21.4	366	559	0.124	150	1	34.0	2500
10006	1.03	26.5	410	637	0.099	185	1	36.0	2750
10007	1.03	34.3	470	745	0.075	240	1	38.0	3500
10008	1.29	42.9	524	846	0.06	300	1	41.0	4250
10009	0.96	57.2	572	938	0.047	400	1	45.0	5250
10010	1.54	71.5	-	-	0.037	500	1	48.0	6250
10011	1.16	90.1	-	-	0.028	630	1	53.0	7750

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