BS7870 Single Core Service Cable 33kV - STR CU, XLPE, MDPE - 70mm² to 1000mm²

Description

Single core medium voltage cable for Windfarms, Solar Parks and other Renewable applications. Suitable for power networks, underground, outdoors and installation in cable ducting. Conforms to BS 7870-4.10

Key Features

Voltage Rating
33kV

Minimum Bending Radius
20x Overall Diameter

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

Core Colours

Black

Standards

- BS EN/IEC 60228
- BS 7870-4.10
- AD7 & AD8 water resistance available.
- Halogen Free to IEC/EN 60754-1
- UV Resistant Sheath

Construction

- **Conductor**: Class 2 stranded copper conductor
- **Conductor Screen**: Bonded semi conductive material
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Strippable Extruded Semi Conductor
- **Water Blocking**: Semi-Conductive Water Blocking Tape
- **Metallic Screen**: 35mm Copper Wires plus Copper Tape
- **Tape**: Non Conductive Water Blocking Tape
- **Outer Sheath**: Medium Density Polyethylene (MDPE)
- **Sheath Colour**: Black

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

BS7870 Single Core Service Cable 33kV - STR CU, XLPE, MDPE - 70mm² to 1000mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
33KVCU1X70BK	70	1	19/2.11	730	36.5	1751
33KVCU1X95BK	95	1	19/2.48	764	38.2	2043
33KVCU1X120BK	120	1	35/2.05	792	39.6	2309
33KVCU1X150BK	150	1	35/2.28	824	41.2	2614
33KVCU1X185BK	185	1	35/2.55	858	42.9	2997
33KVCU1X240BK	240	1	35/2.92	908	45.4	3596
33KVCU1X300BK	300	1	35/3.28	956	47.8	4225
33KVCU1X400BK	400	1	56/2.93	1012	50.6	5069
33KVCU1X500BK	500	1	56/3.32	1078	53.9	6156
33KVCU1X630BK	630	1	56/3.77	1152	57.6	7570
33KVCU1X800BK	800	1	61/4.2	1266	63.30	9433
33KVCU1X1000BK	1000	1	61/3.2	1342	67.1	12500

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