

Single Core Armoured Hydrocarbon Resistant Power 1kV Cable-25mm² to 400mm²



Description

This Single core copper cable is used in Class I, Division II, hazardous areas as classified by the oil and gas industry. They are built with protection against the flammable vapours and gases that may be present. They provide low voltage power supply to electricity systems in these areas. They are resistant to aliphatic and aromatic hydrocarbons with a polyamide intermediate sheath and special compound PVC outer sheath which serves as a barrier to moisture ingress. It is commonly used in switching stations and industrial plants. Due to the mechanical steel wire armour it is suitable for external and internal installation in cable ducts and for direct burial.

Key Features



Voltage Rating
600/1000 Volts



Flame Retardancy
BS EN/IEC 60332-3-22



Temperature Limits
Temperature Range: -20°C to +60°C

Core Colours

1 Core: Red or Black

Standards

- IEC 60502-1
- BS EN/IEC 60332-3-22

Construction

- **Conductor:** Class 2 Copper Conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Inner Sheath:** Polyvinyl Chloride (PVC)
- **Screen:** Collective Aluminium/mylar tape with 0.5mm drain wire
- **Intermediate Sheath:** Polyamide (PA)
- **Armour:** Aluminium Wire Armour (AWA)
- **Outer Sheath:** Polyvinyl Chloride (PVC)
- **Sheath Colour:** 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.



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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

Single Core Armoured Hydrocarbon Resistant Power 1kV Cable-25mm² to 400mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)
IEC60502/1SCRAWAPVC1X25	25	1	20.0	620
IEC60502/1SCRAWAPVC1X35	35	1	21.5	735
IEC60502/1SCRAWAPVC1X50	50	1	23.0	895
IEC60502/1SCRAWAPVC1X70	70	1	24.5	1145
IEC60502/1SCRAWAPVC1X95	95	1	26.0	1420
IEC60502/1SCRAWAPVC1X120	120	1	28.0	1695
IEC60502/1SCRAWAPVC1X150	150	1	30.0	1995
IEC60502/1SCRAWAPVC1X185	185	1	32.0	2415
IEC60502/1SCRAWAPVC1X240	240	1	35.0	3010
IEC60502/1SCRAWAPVC1X300	300	1	38.0	3650
IEC60502/1SCRAWAPVC1X400	400	1	42.0	4550

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