SANS Type 61A Cable



Description

SANS Type 61A 0.64/1.1 kV cable is a heavy-duty flexible low voltage trailing line constructed with Class 5 flexible stranded tinned annealed copper conductors, robust EPR insulation, individual tinned copper and nylon composite screens, and a heavy-duty polychloroprene outer sheath reinforced with an open nylon braid. This exceptionally resilient cable features three screened power cores and three unscreened pilot cores arranged symmetrically around a central core matrix, making it the ideal solution for heavy-duty trailing and reeling applications on mobile electrical machinery, drilling rigs, and conveyors in hazardous mining environments.

The range fully satisfies the stringent design and manufacturing protocols of SANS 1520-1 for low voltage flexible trailing cables used in mining operations, alongside material quality benchmarks SANS 1411-1 for conductor flexibility and SANS 1411-3 for advanced rubber insulation and sheathing performance. Featuring a standard rated voltage of 640/1100V, this cable provides dependable, safe power distribution in the most demanding hazardous and heavy industrial environments where excellent resistance to flame retardancy, UV light, ozone, and industrial oils is required.

For optimum performance and to prevent structural deformation of the core array, the cable must be installed with a minimum bending radius of 6 times the overall cable diameter during handling and active dynamic operations. It is designed to safely operate within a temperature envelope of -25°C to +90°C, ensuring that all low voltage terminations are completed using compatible heavy-duty trailing accessories to preserve total operational durability

Key Features

Voltage Rating
640V To 1100V

Minimum Bending Radius
6 x overall diameter

Temperature Limits
Temperature Range: -25°C to +90°C

Standards

- SANS 1411-1
- SANS 1411-3
- SANS 1520-1

Construction

- **Conductor**: Class 5 tinned copper
- **Insulation**: Ethylene Propylene Rubber (EPR)
- **Insulation Screen**: Tinned Copper Wire Braid (TCWB)
- **Inner Sheath**: Polychloroprene (CR)
- **Braiding**: Nylon Braid (PA)
- **Outer Sheath**: Thermoplastic Polyurethane (TPU)
- **Sheath Colour**: Black or Transparent sheath over Orange and Silver reflective tape

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.

CLEVELAND CABLE COMPANY

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

SANS Type 61A Cable - Dimensions

Reference	Conductor Size (mm2)	Pilot Cond Size	Overall Diameter(mm)	Weight(Kg/Km)
TYPE61ASANS95	95	16	58.80	6325

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