

SANS Type 63 1.9/3.3 kV Cable - 25mm² to 240mm²



Description

Type 63 cables are Ethylene Propylene Rubber (EPR) insulated trailing and reeling cables specifically engineered for the 1.9/3.3kV power supply of medium-sized opencast mining machinery, including draglines, shovels, drills, and section feeders.

The internal construction consists of three phase cores—each individually screened with a tinned copper and nylon braid—laid up alongside unscreened pilot cores. To ensure high-performance durability in hazardous areas and mobile applications, the assembly features a Polychloroprene Rubber (CR) inner and outer sheath bonded together, providing enhanced torsional protection and mechanical integrity.

While sharing a similar architectural design with Type 61 (low voltage) and Type 633 (high medium voltage) variants, Type 63 cables are uniquely optimised for their specific voltage class. The robust CR sheathing provides essential resistance to abrasion, oils, sunlight, and UV radiation, ensuring operational longevity under the intense physical and environmental stresses of both opencast and sub-surface mining conditions.

Key Features



Voltage Rating
1.9kV-3.3kV



Minimum Bending Radius
6 x overall diameter



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

Standards

- SANS 1520-2
- SANS 1411-1
- SANS 1411-3

Construction

- **Conductor:** Class 5 Flexible Tinned Copper
- **Pilot Core:** Tinned Copper
- **Insulation:** Ethylene Propylene Rubber (EPR)
- **Pilot Core Insulation:** Rubber
- **Inner Sheath:** Polychloroprene (CR)
- **Metallic Screen:** Tinned Copper Wire Braid (TCWB)
- **Braiding:** Nylon Braid (PA)
- **Outer Sheath:** Polychloroprene Rubber (CR)
- **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.



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 63 1.9/3.3 kV Cable - 25mm² to 240mm² - Dimensions

Reference	Conductor Size (mm ²)	Pilot Cond Size	Overall Diameter(mm)	Weight(Kg/Km)
TYPE63SANS25	25	10	44.00	350
TYPE63SANS35	35	10	47.70	400
TYPE63SANS50	50	10	50.50	420
TYPE63SANS70	70	16	56.00	645
TYPE63SANS95	95	16	61.00	770
TYPE63SANS120	120	16	62.90	845
TYPE63SANS150	150	25	66.00	1040
TYPE63SANS185	185	25	71.80	1140
TYPE63SANS240	240	25	77.50	1385

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