

Type 275 Flexible Overall Semi-conductive Rubber Screened Mining Cable



Eland Product Group: C3E

APPLICATION

For general and underground coal mining purposes. For shuttle cars and pump cables, and other industrial applications.

CHARACTERISTICS

Voltage Rating

1.1kV

Temperature Rating

-25°C to +90°C

CONSTRUCTION

Conductor

Tinned annealed copper wires

Separator

Synthetic tape under insulation

Insulation

EPR (Ethylene Propylene Rubber) compound type R-EP-90

Insulation Screen

Semi-conductive thermosetting compound

Cable Assembly

Three insulated power and three earth cores laid up with right hand direction on cradle separator with central pilot core

Inner Sheath

Semi-conductive thermosetting compound

Earth Covering

Semi-conductive thermosetting compound

Cradle Separator

Semi-conductive thermosetting compound

Reinforcing Braid

Polyamide Yarns

Sheath

HD-CSP (Heavy Duty Chlorosulphonated Polyethylene) - extra heavy duty, oil resistance and flame retardant

Sheath Colour

● Black

STANDARDS

AS/NZS 1802:2003, AS/NZS 1125:2001,
Water resistant
Flame retardant,
UV, sunlight, ozone and oil resistant

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578



FS 672069



EMS 672067



OHS 672066

REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



KM 634267





DIMENSIONS

| ELAND PART NO. | NO.. CORES | POWER CORES | | | EARTH CONDUCTOR | | | PILOT CONDUCTOR | | NOMINAL THICKNESS OF SHEATH, INCLUDING SEMI-CONDUCTING LAYER mm | NOMINAL DIAMETER mm | NOMINAL WEIGHT kg/100m |
|----------------|------------|-----------------------------------|---------------------------------|---|--|--------------------------------|--|-----------------------|-----|---|---------------------|------------------------|
| | | NOMINAL AREA SIZE mm ² | NOMINAL THICKNESS INSULATION mm | NUMBER AND NOMINAL DIAMETER OF WIRES n x mm | NUMBER AND NOMINAL DIAMETER WIRES n x mm | THICKNESS SEMI-CON COVERING mm | NUMBER / NOMINAL DIAMETER WIRES n x mm | THICKNESS COVERING mm | | | | |
| C3E01016BK | 3+3 | 16 | 1.6 | 126x0.4 | 60x0.3 | 1 | 24/0.20 | 0.8 | 3.8 | 30.2 | 1450 | |
| C3E01025BK | 3+3 | 25 | 1.6 | 209x0.4 | 100x0.3 | 1 | 24/0.20 | 0.8 | 4 | 33.9 | 2040 | |
| C3E01035BK | 3+3 | 35 | 1.6 | 285x0.4 | 140x0.3 | 1 | 24/0.20 | 0.8 | 4.3 | 38.5 | 2701 | |
| C3E01050BK | 3+3 | 50 | 1.7 | 380x0.4 | 99x0.4 | 1 | 40/0.20 | 0.8 | 4.7 | 43.1 | 3334 | |

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.