

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

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





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.