

Type 241 Flexible Rubber Screened Mining Cable



Eland Product Group: C3D

APPLICATION

Australian Standard cables for general and underground coal mining purposes. Uses include mine power feeder cable for continuous miners, pump cable and power supply cable.

CHARACTERISTICS

Voltage Rating

Type 241.1 - 1.1kV
 Type 241.3 - 3.3kV
 Type 241.6 - 6.6kV
 Type 241.11 - 11kV

Temperature Rating -

25°C to +90°C

CONSTRUCTION

Conductor

Tinned annealed copper wires

Separator/Screen

1.1kV: Paper separator
 For other nominal voltages semi-conductive thermosetting compound over conductors

Insulation

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

Insulation Screen

Semi-conductive thermosetting compound

Cable Assembly

Three screened 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

CSP (Chlorosulfonated polyethylene) thermosetting compound
 HD-90 - 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 CONDUCTOR			EARTH CONDUCTOR		PILOT CORE		NOMINAL THICKNESS OF SHEATH, INCLUDING SEMI-CON LAYER mm	NOMINAL DIAMETER mm	NOMINAL WEIGHT kg/100m
		NOMINAL CROSS-SEC AREA mm ²	NOMINAL THICKNESS INSULATION mm	NUMBER AND NOMINAL DIAMETER OF WIRES n x mm	NUMBER AND NOMINAL DIAMETER OF WIRES n x mm	THICKNESS SEMI-CON COVERING mm	STRAND SIZE nxmm	NOMINAL THICKNESS COVERING mm			
Type 241.1											
C3D01010060BK	3	6	1.5	84x0.3	18.3x0.3	1	24/0.20	0.8	3.8	29.7	106
C3D0101010BK	3	10	1.5	77x0.4	27x0.3	1	24/0.20	0.8	3.8	31.6	127
C3D0101016BK	3	16	1.6	126x0.4	42x0.3	1	24/0.20	0.8	3.9	35.0	164
C3D0101025BK	3	25	1.6	209x0.4	66x0.3	1	24/0.20	0.8	4.2	37.9	208
C3D0101035BK	3	35	1.6	285x0.4	90x0.3	1	24/0.20	0.8	4.4	39.8	254
C3D0101050BK	3	50	1.7	380x0.4	120x0.3	1	40/0.20	0.8	4.9	45.2	328
C3D0101070BK	3	70	1.8	361x0.5	110x0.4	1	40/0.20	0.8	5.3	50.0	425
C3D0101095BK	3	95	2.0	475x0.5	110x0.4	1	40/0.20	0.8	5.8	56.0	532
C3D0101120BK	3	120	2.1	608x0.5	110x0.4	1.2	40/0.20	0.8	6.3	59.5	633
C3D0101150BK	3	150	2.3	740x0.5	135x0.4	1.2	40/0.20	0.8	6.7	64.9	766
C3D0101185BK	3	185	2.5	925x0.5	165x0.4	1.4	40/0.20	0.8	7.3	71.3	924
C3D0101240BK	3	240	2.8	1221x0.5	216x0.4	1.4	40/0.20	0.8	8.0	76.9	1147
C3D0101300BK	3	300	3.0	1525x0.5	275x0.4	1.4	40/0.20	0.8	8.7	86.4	1426
Type 241.3											
C3D0301016BK	3	16	3	126x0.4	42x0.3	1	24/0.20	0.8	5.0	44.0	249
C3D0301025BK	3	25	3	209x0.4	66x0.3	1	24/0.20	0.8	5.3	47.9	315
C3D0301035BK	3	35	3	285x0.4	90x0.3	1	24/0.20	0.8	5.6	51.3	376
C3D0301050BK	3	50	3	380x0.4	120x0.3	1	40/0.20	0.8	6.0	55.4	450
C3D0301070BK	3	70	3	361x0.5	110x0.4	1	40/0.20	0.8	6.4	60.7	576
C3D0301095BK	3	95	3	475x0.5	135x0.5	1	40/0.20	0.8	6.8	64.1	675
C3D0301120BK	3	120	3	608x0.5	165x0.4	1.2	40/0.20	0.8	7.2	69.2	810
C3D0301150BK	3	150	3	740x0.5	216x0.4	1.2	40/0.20	0.8	7.6	74.0	952
C3D0301185BK	3	185	3	925x0.5	252x0.4	1.4	40/0.20	0.8	8.0	79.3	1112
C3D0301240BK	3	240	3	1221x0.5	324x0.4	1.4	40/0.20	0.8	8.6	86.1	1360
C3D0301300BK	3	300	3	1525x0.5	259x0.5	1.4	40/0.20	0.8	9.1	92.7	1640
Type 241.6											
C3D0601016BK	3	16	5	126x0.4	42x0.3	1.4	24/0.20	0.8	6.1	55.2	365
C3D0601025BK	3	25	5	209x0.4	66x0.3	1.4	24/0.20	0.8	6.4	59.1	440
C3D0601035BK	3	35	5	285x0.4	90x0.3	1.4	24/0.20	0.8	6.7	62.6	509
C3D0601050BK	3	50	5	380x0.4	120x0.3	1.4	40/0.20	0.8	7.1	66.4	592
C3D0601070BK	3	70	5	361x0.5	110x0.4	1.4	40/0.20	0.8	7.4	71.3	727
C3D0601095BK	3	95	5	475x0.5	135x0.4	1.4	40/0.20	0.8	7.9	75.0	835
C3D0601120BK	3	120	5	608x0.5	165x0.4	1.4	40/0.20	0.8	8.3	80.3	990
C3D0601150BK	3	150	5	740x0.5	216x0.4	1.4	40/0.20	0.8	8.6	84.8	1140
C3D0601185BK	3	185	5	925x0.5	252x0.4	1.4	40/0.20	0.8	9.0	90.1	1311
C3D0601240BK	3	240	5	1221x0.5	324x0.4	1.4	40/0.20	0.8	9.6	96.9	1576
Type 241.11											
C3D1101025BK	3	25	7.6	209x0.4	66x0.3	1.8	24/0.20	0.8	7.8	73.4	645
C3D1101035BK	3	35	7.6	285x0.4	90x0.3	1.8	24/0.20	0.8	8.1	76.7	724
C3D1101050BK	3	50	7.6	380x0.4	120x0.3	1.8	40/0.20	0.8	8.5	80.7	825
C3D1101070BK	3	70	7.6	361x0.5	110x0.4	1.8	40/0.20	0.8	8.9	85.9	975
C3D1101095BK	3	95	7.6	475x0.5	135x0.4	1.8	40/0.20	0.8	9.3	89.2	1088
C3D1101120BK	3	120	7.6	608x0.5	165x0.4	1.8	40/0.20	0.8	9.7	94.5	1258
C3D1101150BK	3	150	7.6	740x0.5	216x0.4	1.8	40/0.20	0.8	10.0	99.0	1423
C3D1101185BK	3	185	7.6	925x0.5	252x0.4	1.8	40/0.20	0.8	10.4	104.3	1610

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.