

Type 240 Flexible Copper Screened Mining Cable With Three Pilots



Eland Product Group: C3C

APPLICATION

Australian standard cable for use as flexible feeder cable to machinery or longwall supply and other industrial applications within the mining industry.

CHARACTERISTICS

Voltage Rating

Type 240.1 - 1.1kV
Type 240.3 - 3.3kV
Type 240.6 - 6.6kV
Type 240.11 - 11kV

Temperature Rating -

25°C to +90°C

CONSTRUCTION

Conductor

Tinned annealed copper wires

Separator/Conductor Screen

1.1kV: Paper separator
Other voltages: semi-conductive thermosetting compound

Insulation

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

Insulation Screen

1.1kV: Synthetic tape
From 3.3kV: Semi-conductive thermosetting compound

Screen

Tinned copper/polyamide braid

Interstitial Pilots

EPR covered flexible stranded tinned Copper

Cable Assembly

3x screened power cores with right hand lay up on cradle separator with 3x pilot cores

Cradle Separator

Semi-conductive thermosetting compound

Sheath

HD-PCP (Heavy Duty Polychloroprene) - extra heavy duty, oil resistance and flame retardant.

Optional open polyamide braid between layer of sheathing

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 IECCE 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	NOMINAL CONDUCTOR AREA SIZE mm ²	NUMBER / NOMINAL DIAMETER WIRES n x mm	NOMINAL THICKNESS INSULATION mm ²	NOMINAL DIAMETER OVER INSULATION mm	CORE SCREEN SIZE mm	AREA SIZE SCREEN mm ²	STRAND SIZE PILOT mm ²	NOMINAL THICKNESS PILOT COVERING mm	NOMINAL THICKNESS SHEATH mm	NOMINAL DIAMETER mm	NOMINAL WEIGHT kg/100m
Type 240.1												
C3C01010060BK	3+3	6	84x0.3	1.5	6.5	7/0.25	7.2	18/0.30	1.0	3.8	30	131
C3C0101010BK	3+3	10	77x0.4	1.5	7.7	7/0.25	8.6	27/0.30	1.0	3.8	32.6	159
C3C0101016BK	3+3	16	126x0.4	1.6	9	7/0.25	9.6	42/0.30	1.0	4.0	35.8	202
C3C0101025BK	3+3	25	209x0.4	1.6	10.5	7/0.25	11.3	66/0.30	1.2	4.3	39.7	265
C3C0101035BK	3+3	35	285x0.4	1.6	12.1	7/0.25	12.4	90/0.30	1.2	4.6	53.6	326
C3C0101050BK	3+3	50	380x0.4	1.7	13.8	7/0.25	14.1	120/0.39	1.2	5.0	48.4	404
C3C0101070BK	3+3	70	361x0.5	1.8	16.1	7/0.25	16.5	39/0.67	1.2	5.4	54.0	533
C3C0101095BK	3+3	95	475x0.5	2	17.7	7/0.25	18.2	39/0.67	1.2	6.0	58.8	635
C3C0101120BK	3+3	120	608x0.5	2.1	20	7/0.25	20.3	42/0.67	1.4	6.4	64.6	775
C3C0101150BK	3+3	150	740x0.5	2.3	22.2	7/0.25	22.3	54/0.67	1.4	6.9	70.3	940
C3C0101185BK	3+3	185	925x0.5	2.5	24.7	7/0.30	30.2	63/0.67	1.4	7.4	77.5	1140
C3C0101240BK	3+3	240	1221x0.5	2.8	27.9	7/0.30	33.6	77/0.67	1.6	8.2	86.1	1410
C3C0601016BK	3+3	300	1525x0.5	3	31	7/0.40	50.1	98/0.67	1.6	8.8	95.2	1775
Type 240.3												
C3C0301016BK	3+3	16	126x0.4	3	12.6	7/0.25	13.4	42/0.30	1.4	5.3	46.7	306
C3C0301025BK	3+3	25	209x0.4	3	14.1	7/0.25	14.8	66/0.30	1.4	5.6	50.6	379
C3C0301035BK	3+3	35	285x0.4	3	15.4	7/0.25	15.1	90/0.30	1.4	5.9	54.0	444
C3C0301050BK	3+3	50	380x0.4	3	16.9	7/0.25	17.5	120/0.39	1.4	6.3	58.1	525
C3C0301070BK	3+3	70	361x0.5	3	18.9	7/0.25	19.6	39/0.67	1.4	6.6	63.0	656
C3C0301095BK	3+3	95	475x0.5	3	20.1	7/0.25	20.6	39/0.67	1.4	7.1	66.7	750
C3C0301120BK	3+3	120	608x0.5	3	22.2	7/0.30	27.2	42/0.67	1.6	7.4	72.6	910
C3C0301150BK	3+3	150	740x0.5	3	24.0	7/0.40	39.6	54/0.67	1.6	7.8	78.6	1115
C3C0301185BK	3+3	185	925x0.5	3	26.1	7/0.40	43.1	63/0.67	1.8	8.2	83.8	1280
C3C0301240BK	3+3	240	1221x0.5	3	28.1	7/0.40	46.6	77/0.67	1.8	8.8	90.8	1540
Type 240.6												
C3C0601016BK	3+3	16	126x0.4	5	16.6	7/0.25	17.2	42/0.30	1.4	6.4	57.9	440
C3C0601025BK	3+3	25	209x0.4	5	18.1	7/0.25	18.9	66/0.30	1.4	6.7	61.7	521
C3C0601035BK	3+3	35	285x0.4	5	19.4	7/0.25	19.9	90/0.30	1.6	7.0	65.2	593
C3C0601050BK	3+3	50	380x0.4	5	20.9	7/0.25	21.6	120/0.39	1.6	7.3	69.0	685
C3C0601070BK	3+3	70	361x0.5	5	22.9	7/0.25	23.4	39/0.67	1.6	7.7	74.3	830
C3C0601095BK	3+3	95	475x0.5	5	24.1	7/0.30	29.7	39/0.67	1.6	8.1	78.3	954
C3C0601120BK	3+3	120	608x0.5	5	25.2	7/0.30	32.2	42/0.67	1.8	8.5	83.5	1111
C3C0601150BK	3+3	150	740x0.5	5	28.0	7/0.40	45.7	54/0.67	1.8	8.9	89.5	1335
C3C0601185BK	3+3	185	925x0.5	5	30.1	7/0.40	49.3	63/0.67	1.8	9.3	95.1	1515
C3C0601240BK	3+3	240	1221x0.5	5	32.7	7/0.40	52.8	77/0.67	1.8	9.9	101.8	1788
Type 240.11												
C3C1101025BK	3+3	25	209x0.4	7.6	23.5	7/0.25	24.1	66/0.30	2.0	8.1	76.0	752
C3C1101035BK	3+3	35	285x0.4	7.6	24.8	7/0.30	30.2	90/0.30	2.0	8.4	80.1	860
C3C1101050BK	3+3	50	380x0.4	7.6	26.2	7/0.30	32.2	120/0.39	2.0	8.7	84.0	961
C3C1101070BK	3+3	70	361x0.5	7.6	28.2	7/0.30	34.6	39/0.67	2.0	9.1	89.1	1125
C3C1101095BK	3+3	95	475x0.5	7.6	29.5	7/0.40	48.4	39/0.67	2.0	9.6	94.1	1300
C3C1101120BK	3+3	120	608x0.5	7.6	31.5	7/0.40	51.0	42/0.67	2.2	9.9	99.9	1470
C3C1101150BK	3+3	150	740x0.5	7.6	33.3	7/0.40	54.5	54/0.67	2.2	10.3	104.0	1659

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.