

# Type 245 Flexible Rubber Mining Cable



Eland Product Group: C3G

## APPLICATION

Type 245 cables are mainly used as longwall shearer cables, and also for continuous miners and peripheral longwall cables. The cable has 3 central pilots for earth continuity monitoring and for control circuits.

## CHARACTERISTICS

### Voltage Rating

- 1.1kV - Type 245.1
- 3.3kV - Type 245.3
- 6.6kV - Type 245.6

## CONSTRUCTION

### Conductor

Flexible stranded tinned annealed copper

### Conductor Screen

Semi-conductive compound for cables having a voltage rating of 3.3kV and above

### Insulation

EPR (Ethylene Propylene Rubber)

### Insulation Screen

Semiconductive elastomer

### Cradle Separator

Semiconductive PCP (Polychloroprene)

### Central Extensible Pilot

EPR (Ethylene-Propylene Compound) covered flexible stranded tinned copper

### Overall Core Screen

Semiconductive PCP (Polychloroprene) filling and covering

### Interstitial Earth Conductor

Semiconductive PCP (Polychloroprene) covered flexible stranded tinned copper

### Reinforcing Braid

Open-weave yarns

### Sheath

Heavy duty PCP (Polychloroprene).  
(CPE/CSP sheath can be offered upon request)

### Sheath Colour

- Black

## STANDARDS

AS/NZS 1802:2003, AS/NZS 1125, AS/NZS 3808, AS/NZS 5000.1

## 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.



## 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™.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CONDUCTOR AREA mm <sup>2</sup>	STRAND SIZE No/mm	NOMINAL INSULATION THICKNESS mm	CORE SCREEN		PILOT CONDUCTOR		THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/100m
					STRAND SIZE No/mm	AREA OF SCREEN mm <sup>2</sup>	STRAND SIZE No/mm	THICKNESS OF COVERING mm			
Type 245.1											
C3G0103016BK	3	16	133/0.40	2.0	69/0.25	1.8	28/0.25	0.8	4.1	42.6	235
C3G0103025BK	3	25	259/0.36	1.6	91/0.25	1.8	28/0.25	0.8	4.2	43.4	269
C3G0103035BK	3	35	287/0.40	1.6	140/0.25	1.4	28/0.25	0.8	4.4	45.6	315
C3G0103050BK	3	50	703/0.30	1.7	120/0.30	1.0	28/0.25	0.8	4.8	48.4	390
C3G0103070BK	3	70	988/0.30	1.8	180/0.30	1.0	28/0.25	0.8	5.1	53.9	501
C3G0103095BK	3	95	1332/0.30	2.0	150/0.30	1.0	28/0.25	0.8	5.6	60.4	630
C3G0103120BK	3	120	1702/0.30	2.1	195/0.30	1.2	28/0.25	0.8	6.0	65.5	765
C3G0103150BK	3	150	2146/0.30	2.3	235/0.30	1.2	28/0.25	0.8	6.3	70.5	915
Type 245.3											
C3G0303025BK	3	25	259/0.36	3.0	91/0.25	1.5	28/0.25	0.8	5.2	51.1	338
C3G0303035BK	3	35	287/0.40	3.0	140/0.25	1.0	28/0.25	0.8	5.4	54.5	398
C3G0303050BK	3	50	703/0.30	3.0	120/0.30	1.0	28/0.25	0.8	5.7	56.8	490
C3G0303070BK	3	70	988/0.30	3.0	180/0.30	1.2	28/0.25	0.8	6.0	61.2	592
C3G0303095BK	3	95	1332/0.30	3.0	235/0.30	1.2	28/0.25	0.8	6.4	66.6	739
C3G0303120BK	3	120	1702/0.30	3.0	300/0.30	1.2	28/0.25	0.8	6.7	71.0	870
C3G0303150BK	3	150	2146/0.30	3.0	375/0.30	1.2	28/0.25	0.8	7.0	75.2	1028
Type 245.6											
C3G0603050BK	3	50	703/0.30	5.0	120/0.30	1.4	28/0.25	0.8	6.7	67.2	635
C3G0603070BK	3	70	988/0.30	5.0	180/0.30	1.4	28/0.25	0.8	7.0	71.7	755
C3G0603095BK	3	95	1332/0.30	5.0	235/0.30	1.4	28/0.25	0.8	7.4	77.1	905
C3G0603120BK	3	120	1702/0.30	5.0	300/0.30	1.4	28/0.25	0.8	7.7	81.3	1050
C3G0601350BK	3	150	2146/0.30	5.0	375/0.30	1.4	28/0.25	0.8	8.0	85.8	1210

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.