

Type 209 Flexible Copper Screened Mining Cable



Eland Product Group: C3B

APPLICATION

For use as flexible feeder cable to machinery. More suitable as a trailing cable. Smaller sizes used for drills, held hand tools and equipment. Other industrial applications.

CHARACTERISTICS

Voltage Rating

Type 209.1 - 1.1kV
 Type 209.3 - 3.3kV
 Type 209.6 - 6.6kV
 Type 209.11 - 11kV

Temperature Rating

-25°C to +90°C

CONSTRUCTION

Conductor

Tinned annealed copper wires

Separator/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

Central Pilot Core

EPR covered flexible stranded Tinned Copper

Cable Assembly

Three screened power laid up with right hand direction on cradle separator with central pilot core

Cradle Separator

Semi-conductive thermosetting compound

Sheath

PCP (Polychloroprene) thermosetting compound HD-85-PCP - 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 E34267





DIMENSIONS

ELAND PART NO.	NO. CORES	NOMINAL CONDUCTOR AREA mm ²	NUMBER NOMINAL DIAMETER WIRES n x mm	NOMINAL THICKNESS INSULATION mm	NOMINAL DIAMETER OVER INSULATION mm	CORE SCREEN SIZE mm	AREA OF 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 209.1												
C3B01030060BK	3	6	84x0.3	1.5	6.5	7/0.25	7.2	24/0.20	0.8	3.8	30	129
C3B0103010BK	3	10	77x0.4	1.5	7.7	7/0.25	8.6	24/0.20	0.8	3.8	32.6	157
C3B0103016BK	3	16	126x0.4	1.6	9	7/0.25	9.6	24/0.20	0.8	4.0	35.8	157
C3B0103025BK	3	25	209x0.4	1.6	10.5	7/0.25	11.3	24/0.20	0.8	4.3	39.7	255
C3B0103035BK	3	35	285x0.4	1.6	12.1	7/0.25	12.4	24/0.20	0.8	4.6	43.1	312
C3B0103050BK	3	50	380x0.4	1.7	13.8	7/0.25	14.1	40/0.20	0.8	5.0	48.4	386
C3B0103070BK	3	70	361x0.5	1.8	16.1	7/0.25	16.5	40/0.20	0.8	5.4	54.0	503
C3B0103095BK	3	95	475x0.5	2	17.7	7/0.25	18.2	40/0.20	0.8	6.0	58.8	605
C3B0103120BK	3	120	608x0.5	2.1	20	7/0.25	20.3	40/0.20	0.8	6.4	64.6	741
C3B0103150BK	3	150	740x0.5	2.3	22.2	7/0.25	22.3	40/0.20	0.8	6.9	70.3	896
C3B0103185BK	3	185	925x0.5	2.5	24.7	7/0.30	30.2	40/0.20	0.8	7.4	74.8	1107
C3B0103240BK	3	240	1221x0.5	2.8	27.9	7/0.30	33.6	40/0.20	0.8	8.2	86.1	1365
C3B0103300BK	3	300	1525x0.5	3	31	7/0.40	50.1	40/0.20	0.8	8.8	95.2	1715
Type 209.3												
C3B0303016BK	3	16	126x0.4	3	12.6	7/0.25	13.4	24/0.20	0.8	5.3	46.7	301
C3B0303025BK	3	25	209x0.4	3	14.1	7/0.25	14.8	24/0.20	0.8	5.6	50.6	369
C3B0303035BK	3	35	285x0.4	3	15.4	7/0.25	15.1	24/0.20	0.8	5.9	54.0	431
C3B0303050BK	3	50	380x0.4	3	16.9	7/0.25	17.5	40/0.20	0.8	6.3	58.1	507
C3B0303070BK	3	70	361x0.5	3	18.9	7/0.25	19.6	40/0.20	0.8	6.6	63.0	624
C3B0303095BK	3	95	475x0.5	3	20.1	7/0.25	20.6	40/0.20	0.8	7.1	66.7	719
C3B0303120BK	3	120	608x0.5	3	22.2	7/0.30	27.2	40/0.20	0.8	7.4	72.6	876
C3B0303150BK	3	150	740x0.5	3	24.0	7/0.40	39.6	40/0.20	0.8	7.8	78.6	1072
C3B0303185BK	3	185	925x0.5	3	26.1	7/0.40	43.1	40/0.20	0.8	8.2	83.8	1236
C3B0303240BK	3	240	1221x0.5	3	28.1	7/0.40	46.6	40/0.20	0.8	8.8	90.8	1484
Type 209.6												
C3B0603016BK	3	16	126x0.4	5	16.6	7/0.25	17.2	24/0.20	0.8	6.4	57.9	435
C3B0603025BK	3	25	209x0.4	5	18.1	7/0.25	18.9	24/0.20	0.8	6.7	61.7	512
C3B0603035BK	3	35	285x0.4	5	19.4	7/0.25	19.9	24/0.20	0.8	7.0	65.2	582
C3B0603050BK	3	50	380x0.4	5	20.9	7/0.25	21.6	40/0.20	0.8	7.3	69.0	668
C3B0603070BK	3	70	361x0.5	5	22.9	7/0.25	23.4	40/0.20	0.8	7.7	74.3	799
C3B0603095BK	3	95	475x0.5	5	24.1	7/0.30	29.7	40/0.20	0.8	8.1	78.3	876
C3B0603120BK	3	120	608x0.5	5	25.2	7/0.30	32.2	40/0.20	0.8	8.5	83.5	1072
C3B0603150BK	3	150	740x0.5	5	28.0	7/0.40	45.7	40/0.20	0.8	8.9	89.5	1290
C3B0603185BK	3	185	925x0.5	5	30.1	7/0.40	49.3	40/0.20	0.8	9.3	95.1	1466
C3B0603240BK	3	240	1221x0.5	5	32.7	7/0.40	52.8	40/0.20	0.8	9.9	101.8	1733
Type 209.11												
C3B1103025BK	3	25	209x0.4	7.6	23.5	7/0.25	24.1	24/0.20	0.8	8.1	76.0	742
C3B1103035BK	3	35	285x0.4	7.6	24.8	7/0.30	30.2	24/0.20	0.8	8.4	80.1	847
C3B1103050BK	3	50	380x0.4	7.6	26.2	7/0.30	32.2	40/0.20	0.8	8.7	84.0	943
C3B1103070BK	3	70	361x0.5	7.6	28.2	7/0.30	34.6	40/0.20	0.8	9.1	89.1	1093
C3B1103095BK	3	95	475x0.5	7.6	29.5	7/0.40	48.4	40/0.20	0.8	9.6	94.1	1267
C3B1103120BK	3	120	608x0.5	7.6	31.5	7/0.40	51.0	40/0.20	0.8	9.9	99.9	1436
C3B1103150BK	3	150	740x0.5	7.6	33.3	7/0.40	54.5	40/0.20	0.8	10.3	104.0	1614

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.