

Type 260 Armoured Mining Cable with Pilot Core



Eland Product Group: C3H

APPLICATION

Armoured power cables mainly used as feeder cables for power supply where mechanical protection and strength is required, and also can be the feeder to machinery and i.e. transportable mining substation (sand mining).

CHARACTERISTICS

Voltage Rating

1.1kV - Type 260.1
 3.3kV - Type 260.3
 6.6kV - Type 260.6
 11kV - Type 260.11

CONSTRUCTION

Conductor

Flexible stranded tinned annealed copper

Conductor Screen

Semiconductive compound for cables having a voltage rating of 3.3/3.3kV and above

Insulation

EPR (Ethylene-Propylene Compound)

Insulation Screen

Semiconductive elastomer

Screen / Earth Conductor

Tinned copper braid interwove with polyester yarn

Cradle Separator

Semiconductive PCP (Polychloroprene)

Interstitial Pilot

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

Inner Sheath

PCP (Polychloroprene)

Armour

SWA (Pliable Galvanised Steel Wires)

Sheath

PCP (Polychloroprene) - Heavy Duty
 (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 ²	STRAND SIZE No/mm	NOMINAL INSULATION THICKNESS mm	CORE SCREEN		PILOT CONDUCTOR		NOMINAL ARMOUR SIZE No/mm	NOMINAL SHEATH THICKNESS		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/100m
					STRAND SIZE No/mm	AREA OF SCREEN mm ²	STRAND SIZE No/mm	THICKNESS OF COVERING mm		INNER mm	OUTER mm		
Type 260.1													
C3H01030060BK	3	6	84/0.30	1.5	7/0.25	7.2	18/0.30	1.0	7/0.45	2.0	3.8	36.9	230
C3H0103010BK	3	10	77/0.40	1.5	7/0.25	8.6	27/0.30	1.0	7/0.45	2.0	3.8	39.5	265
C3H0103016BK	3	16	126/0.40	1.6	7/0.25	9.6	42/0.30	1.0	7/0.90	2.5	4.0	46.5	410
C3H0103025BK	3	25	209/0.40	1.6	7/0.25	11.3	66/0.30	1.2	7/0.90	2.5	4.3	50.4	495
C3H0103035BK	3	35	285/0.40	1.6	7/0.25	12.4	90/0.30	1.2	7/0.90	2.5	4.6	53.8	576
C3H0103050BK	3	50	380/0.40	1.7	7/0.25	14.1	120/0.30	1.2	7/0.90	2.5	5.0	58.4	679
C3H0103070BK	3	70	203/0.67	1.8	7/0.25	16.5	39/0.67	1.2	7/0.90	2.5	5.4	64.6	837
C3H0103095BK	3	95	259/0.67	2.0	7/0.25	18.2	39/0.67	1.2	7/0.90	3.5	6.0	71.4	1003
C3H0103120BK	3	120	336/0.67	2.1	7/0.25	20.3	42/0.67	1.4	7/0.90	3.5	6.4	77.2	1176
C3H0103150BK	3	150	427/0.67	2.3	7/0.25	22.3	54/0.67	1.4	7/0.90	3.5	6.9	83.0	1372
C3H0103185BK	3	185	518/0.67	2.5	7/0.30	30.2	63/0.67	1.4	7/0.90	3.5	7.4	90.0	1610
C3H0103240BK	3	240	672/0.67	2.8	7/0.30	33.6	77/0.67	1.6	7/1.25	4.5	8.2	103.0	2150
C3H0103300BK	3	300	854/0.67	3.0	7/0.40	50.1	98/0.67	1.6	7/1.25	4.5	8.8	112.1	2590
Type 260.3													
C3H0303016BK	3	16	126/0.40	3.0	7/0.25	13.1	42/0.30	1.4	7/0.90	2.5	5.3	56.9	566
C3H0303025BK	3	25	209/0.40	3.0	7/0.25	14.8	66/0.30	1.4	7/0.90	2.5	5.6	60.8	661
C3H0303035BK	3	35	285/0.40	3.0	7/0.25	15.8	90/0.30	1.4	7/0.90	3.5	5.9	66.3	779
C3H0303050BK	3	50	380/0.40	3.0	7/0.25	17.2	120/0.30	1.4	7/0.90	3.5	6.3	70.4	886
C3H0303070BK	3	70	203/0.67	3.0	7/0.25	18.6	39/0.67	1.4	7/0.90	3.5	6.6	75.3	1044
C3H0303095BK	3	95	259/0.67	3.0	7/0.25	20.3	39/0.67	1.4	7/0.90	3.5	7.1	78.9	1156
C3H0303120BK	3	120	336/0.67	3.0	7/0.30	27.2	42/0.67	1.6	7/0.90	3.5	7.4	84.7	1350
C3H0303150BK	3	150	427/0.67	3.0	7/0.40	39.6	54/0.67	1.6	7/1.25	4.5	7.8	95.0	1779
C3H0303185BK	3	185	518/0.67	3.0	7/0.40	42.2	63/0.67	1.8	7/1.25	4.5	8.2	100.4	1990
C3H0303240BK	3	240	672/0.67	3.0	7/0.40	46.6	77/0.67	1.8	7/1.25	4.5	8.8	107.3	2300
C3H0303300BK	3	300	854/0.67	3.0	7/0.50	63.2	98/0.67	1.8	7/1.25	4.5	9.4	115.4	2710
Type 260.6													
C3H0603016BK	3	16	126/0.40	5.0	7/0.25	17.2	42/0.30	1.4	7/0.90	3.5	6.4	70.1	796
C3H0603025BK	3	25	209/0.40	5.0	7/0.25	18.6	66/0.30	1.4	7/0.90	3.5	6.7	74.0	897
C3H0603035BK	3	35	285/0.40	5.0	7/0.25	18.6	90/0.30	1.6	7/0.90	3.5	7.0	77.4	990
C3H0603050BK	3	50	380/0.40	5.0	7/0.25	21.3	120/0.30	1.6	7/0.90	3.5	7.3	81.2	1102
C3H0603070BK	3	70	203/0.67	5.0	7/0.25	23.4	39/0.67	1.6	7/1.25	4.5	7.7	90.7	1456
C3H0603095BK	3	95	259/0.67	5.0	7/0.30	29.2	39/0.67	1.6	7/1.25	4.5	8.1	94.8	1610
C3H0603120BK	3	120	336/0.67	5.0	7/0.30	31.7	42/0.67	1.8	7/1.25	4.5	8.5	100.2	1807
C3H0603150BK	3	150	427/0.67	5.0	7/0.40	45.7	54/0.67	1.8	7/1.25	4.5	8.9	106.2	2080
C3H0603185BK	3	185	518/0.67	5.0	7/0.40	48.4	63/0.67	1.8	7/1.25	4.5	9.3	111.5	2300
C3H0603240BK	3	240	672/0.67	5.0	7/0.40	52.8	77/0.67	1.8	7/1.25	4.5	9.9	118.4	2630
C3H0603300BK	3	300	854/0.67	5.0	7/0.50	71.5	98/0.67	1.8	7/1.25	4.5	10.4	126.3	3060
Type 260.11													
C3H1103025BK	3	25	209/0.40	7.6	7/0.25	23.7	66/0.30	2.0	7/1.25	4.5	8.1	92.7	1380
C3H1103035BK	3	35	285/0.40	7.6	7/0.30	30.2	90/0.30	2.0	7/1.25	4.5	8.4	96.7	1528
C3H1103050BK	3	50	380/0.40	7.6	7/0.30	31.7	120/0.30	2.0	7/1.25	4.5	8.7	100.6	1664
C3H1103070BK	3	70	203/0.67	7.6	7/0.30	34.1	39/0.67	2.0	7/1.25	4.5	9.1	105.8	1867
C3H1103095BK	3	95	259/0.67	7.6	7/0.40	47.5	39/0.67	2.0	7/1.25	4.5	9.6	110.7	2080
C3H1103120BK	3	120	336/0.67	7.6	7/0.40	51.0	42/0.67	2.2	7/1.25	4.5	9.9	115.8	2290
C3H1103150BK	3	150	427/0.67	7.6	7/0.40	53.7	54/0.67	2.2	7/1.25	4.5	10.3	120.5	2510
C3H1103185BK	3	185	518/0.67	7.6	7/0.40	57.2	63/0.67	2.2	7/1.25	4.5	10.7	125.9	2750

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.