

AEI Rolling Stock Cable



Eland Product Group: **A3U**

APPLICATION

Standard wall rolling stock cables for use in general purpose applications covered by the EN and similar, includes single and multi core cables. Bespoke designs can be supplied.

CONSTRUCTION

Conductor

Flexible tinned copper conductor

Insulation

LSZH (Low Smoke Zero Halogen)

CABLE STANDARDS

TC12, BS EN 50264-2-1, BS 6853 1a, 1b, 11,
NFF 16 101 FO



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating (U_o/U)

0.6/1kV

1.8/3kV

Temperature Rating

-25°C to +105°C

Minimum Bending Radius

Below 10mm: 3 x overall diameter

Above 10mm:

Fixed: 4 x overall diameter

Flexed: 5 x overall diameter

Core Identification

● Black

DIMENSIONS

0.6/1kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3UBK0010	1	1	3	18
A3UBK0015	1	1.5	3.3	22
A3UBK0025	1	2.5	3.8	33
A3UBK0040	1	4	4.3	49
A3UBK0060	1	6	5.1	75
A3UBK010	1	10	6.5	124
A3UBK016	1	16	7.70	183
A3UBK025	1	25	9.60	282
A3UBK035	1	35	11.10	389
A3UBK050	1	50	12.90	551
A3UBK070	1	70	15.00	747
A3UBK095	1	95	16.8	975
A3UBK120	1	120	18.7	1229
A3UBK150	1	150	21.10	1538
A3UBK185	1	185	22.9	1859
A3UBK240	1	240	26.2	2444
A3UBK300	1	300	29.00	3031
A3UBK400	1	400	34.50	3987

1.8/3kV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3UBK0015/3KV	1	1.5	7	62
A3UBK0025/3KV	1	2.5	7.5	76
A3UBK0040/3KV	1	4	8.1	97
A3UBK0060/3KV	1	6	8.6	128
A3UBK010/3KV	1	10	8.6	177
A3UBK016/3KV	1	16	10.8	244
A3UBK025/3KV	1	25	12.3	344
A3UBK035/3KV	1	35	13.8	459
A3UBK050/3KV	1	50	15.3	618
A3UBK070/3KV	1	70	17.3	821
A3UBK095/3KV	1	95	19.3	1068
A3UBK120/3KV	1	120	21.1	1332
A3UBK150/3KV	1	150	22.9	1621
A3UBK185/3KV	1	185	24.7	1948
A3UBK240/3KV	1	240	27.5	2543
A3UBK300/3KV	1	300	30.1	3100
A3UBK400/3KV	1	400	35	4035

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	INSULATION RESISTANCE	
		At 20°C Mohms/km	At 90°C Mohms/km
1	20	65	0.65
1.5	13.7	55	0.55
2.5	8.21	50	0.50
4	5.09	40	0.40
6	3.39	35	0.35
10	1.95	30	0.30
16	1.24	30	0.30
25	0.795	30	0.30
35	0.565	25	0.25
50	0.393	25	0.25
70	0.277	20	0.20
95	0.210	20	0.20
120	0.164	20	0.20
150	0.132	15	0.15
185	0.108	15	0.15
240	0.0817	15	0.15
300	0.0654	10	0.10
400	0.0495	10	0.10

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.