

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.

CHARACTERISTICS

Voltage Rating (U₀/U)

0.6/1kV
1.8/3kV

Temperature Rating

-25°C to +105°C

Minimum Bending Radius

Up to 10mm²: 3 x overall diameter
Above 10mm²:
Fixed: 4 x overall diameter
Flexed: 5 x overall diameter

CONSTRUCTION

Conductor

Flexible tinned copper conductor

Insulation

LSZH (Low Smoke Zero Halogen)

Insulation Colour

● Black

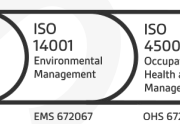
STANDARDS

TC12, BS EN 50264-2-1

Reduced emissions according to BS 6853
Flame Propagation according to NFF 16 101 FO

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 Directive 2011/65/EU. 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.	VOLTAGE kV	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A3UBK0010	0.6/1	1	1	3	18
A3UBK0015	0.6/1	1	1.5	3.3	22
A3UBK0025	0.6/1	1	2.5	3.8	33
A3UBK0040	0.6/1	1	4	4.3	49
A3UBK0060	0.6/1	1	6	5.1	75
A3UBK010	0.6/1	1	10	6.5	124
A3UBK016	0.6/1	1	16	7.70	183
A3UBK025	0.6/1	1	25	9.60	282
A3UBK035	0.6/1	1	35	11.10	389
A3UBK050	0.6/1	1	50	12.90	551
A3UBK070	0.6/1	1	70	15.00	747
A3UBK095	0.6/1	1	95	16.8	975
A3UBK120	0.6/1	1	120	18.7	1229
A3UBK150	0.6/1	1	150	21.10	1538
A3UBK185	0.6/1	1	185	22.9	1859
A3UBK240	0.6/1	1	240	26.2	2444
A3UBK300	0.6/1	1	300	29.00	3031
A3UBK400	0.6/1	1	400	34.50	3987
A3UBK0015/3KV	1.8/3	1	1.5	7	62
A3UBK0025/3KV	1.8/3	1	2.5	7.5	76
A3UBK0040/3KV	1.8/3	1	4	8.1	97
A3UBK0060/3KV	1.8/3	1	6	8.6	128
A3UBK010/3KV	1.8/3	1	10	8.6	177
A3UBK016/3KV	1.8/3	1	16	10.8	244
A3UBK025/3KV	1.8/3	1	25	12.3	344
A3UBK035/3KV	1.8/3	1	35	13.8	459
A3UBK050/3KV	1.8/3	1	50	15.3	618
A3UBK070/3KV	1.8/3	1	70	17.3	821
A3UBK095/3KV	1.8/3	1	95	19.3	1068
A3UBK120/3KV	1.8/3	1	120	21.1	1332
A3UBK150/3KV	1.8/3	1	150	22.9	1621
A3UBK185/3KV	1.8/3	1	185	24.7	1948
A3UBK240/3KV	1.8/3	1	240	27.5	2543
A3UBK300/3KV	1.8/3	1	300	30.1	3100
A3UBK400/3KV	1.8/3	1	400	35	4035



CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	INSULATION RESISTANCE Mohms/km	
		At 20°C	At 90°C
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.