

# Concentric Bonding Lead WTC Based on EREC C55



Eland Product Group: A2L

## CHARACTERISTICS

### Test Voltage

Inner insulation, A.C. for 5 min.: 15kV  
Outer insulation, D.C. for 1 min.: 25kV

## CONSTRUCTION

### Inner Conductor

Round, stranded, compacted and watertight copper

### Inner Insulation

XLPE (Cross-Linked Polyethylene)

### Outer Conductor

Watertight copper

### Outer Insulation

XLPE (Cross-Linked Polyethylene)

### Semi-conducting Coating

Graphite

### Insulation Colour

● Black

## STANDARDS

Based on EREC C55

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



## REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL INNER CONDUCTOR DIAMETER mm	NOMINAL INNER INSULATION THICKNESS mm	NOMINAL INNER INSULATION DIAMETER mm	NOMINAL OUTER CONDUCTOR THICKNESS mm	NOMINAL OUTER CONDUCTOR DIAMETER mm	NOMINAL OUTER INSULATION THICKNESS mm	NOMINAL OUTER INSULATION DIAMETER mm	NOMINAL GRAPHITE COATING THICKNESS mm	NOMINAL WEIGHT kg/km
A2LC01095/95	95/95	11.5	4.6	21.1	1.44	27.8	3.3	35.3	0.1	2380
A2LC01120/120	120/120	12.9	4.6	22.5	1.44	29.2	3.3	36.7	0.1	2860
A2LC01150/150	150/150	14.5	4.6	24.1	1.63	31.6	3.3	39.0	0.1	3400
A2LC01185/185	185/185	16.0	4.6	25.6	1.95	34.3	3.3	41.8	0.1	4120
A2LC01240/240	240/240	18.5	4.6	28.1	1.95	36.8	3.3	44.3	0.1	5230
A2LC01300/300	300/300	20.5	4.6	30.1	2.2	39.8	3.3	47.3	0.1	6420
A2LC01400/400	400/400	23.6	4.6	33.2	2.5	44.1	3.3	51.6	0.1	8260
A2LC01500/500	500/500	26.5	7.0	40.9	2.5	51.8	3.3	59.3	0.1	10580

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM INNER CONDUCTOR DC RESISTANCE AT 20 °C Ω/Km	MAXIMUM OUTER CONDUCTOR DC RESISTANCE AT 20 °C Ω/Km	ADMISSIBLE CONDUCTORS SHORT CURRENT 40°C -> 250°C kA	
			1 second	3 seconds
95/95	0.193	0.194	16.5	9.6
120/120	0.153	0.157	20.8	12.1
150/150	0.124	0.123	25.9	15.1
185/185	0.0991	0.1002	31.9	18.6
240/240	0.0754	0.0767	41.4	24.1
300/300	0.0601	0.0618	51.7	30.1
400/400	0.0470	0.0461	68.8	40.0
500/500	0.0336	0.0371	85.9	49.9

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.