



Defence Standard 61-12 Part 6 Equipment Wire



Eland Product Group: A4E

APPLICATION

Types 1, 2 and 3 of the Def Stan 61-12 Part 6 are for use as internal wiring within electronic equipment in both military and industrial applications. Unsheathed, single wires with robust PVC insulation, these cables are commonly used in aboard aircraft, in process control and in military vehicles.

CHARACTERISTICS

Voltage Rating Um

T1: 750 V
T2: 1kV
T3: 1.5kV

Temperature Rating

T1: -15 °C to +85 °C
T2: -15 °C to +85 °C
T3: -20 °C to +85 °C

CONSTRUCTION

Conductor

Class 2 Flexible stranded tinned annealed copper wire

Insulation

T1 & T2: hard grade PVC (Polyvinyl Chloride)
T3: general purpose PVC (Polyvinyl Chloride)

Insulation Colour

● Black ● Red ● Blue ● Brown ● Yellow ● Grey ○ White
● Green/Yellow ● Orange ● Pink ● Violet

STANDARDS

Defence Standard 61-12 Part 6
BS4808

THE CABLE LAB[®]

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



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.	TYPE	NOMINAL CROSS SECTIONAL AREA mm ²	CONSTRUCTION CONDUCTOR mm	MINIMUM THICKNESS OF INSULATION mm	RADIAL THICKNESS OF INSULATION mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A4ET107/02**	1	0.22	7/0.2	0.15	0.2	0.95	1.05	2.66
A4ET101/06**	1	0.28	1/0.6	0.15	0.2	0.95	1.05	3.55
A4ET207/02**	2	0.22	7/0.2	0.25	0.3	1.1	1.3	3.13
A4ET201/06**	2	0.28	1/0.6	0.25	0.3	1.1	1.3	3.65
A4ET213/02**	2	0.41	13/0.2	0.25	0.3	1.38	1.58	5.9
A4ET216/02**	2	0.5	16/0.2	0.25	0.3	1.45	1.65	6.11
A4ET224/02**	2	0.75	24/0.2	0.4	0.45	1.95	2.15	9.85
A4ET316/02**	3	0.5	16/0.2	0.5	0.6	2	2.25	8.92
A4ET324/02**	3	0.75	24/0.2	0.5	0.6	2.2	2.45	11.57
A4ET332/02**	3	1	32/0.2	0.5	0.6	2.4	2.65	14.6

**Colour code (Black=BK, Red=RD, Blue=BL, Brown=BR, Yellow=YW, Grey=GR, White=WH, Green/Yellow=GY, Orange=OR, Pink=PK, Violet=VI)

ELECTRICAL CHARACTERISTICS

TYPE	NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DCR AT 20 °C	CURRENT CARRYING CAPACITY AT 70 °C
1	0.22	88	1.4
1	0.28	64.1	1.8
2	0.22	88	1.4
2	0.28	64.1	1.8
2	0.41	48.8	2.6
2	0.5	38.2	3
2	0.75	25.5	4.5
3	0.5	38.2	3
3	0.75	25.5	4.5
3	1	19.1	6

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.