



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

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.	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.