

# 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.

## CONSTRUCTION

### Conductor

**Class 2** Flexible stranded tinned annealed copper wire

### Insulation

T1 & T2: hard grade PVC (Polyvinyl Chloride)

T3: general purpose PVC (Polyvinyl Chloride)

## CABLE STANDARDS

BS6360, BS6746, BS4804



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

### Maximum voltage

T1: 750 V

T2: 1000 V

T3: 1500 V

### Temperature Rating

T1: -15 °C to +85 °C

T2: -15 °C to +85 °C

T3: -20 °C to +85 °C

### Sheath Colour

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

## DIMENSIONS

ELAND PART NO.	TYPE	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONSTRUCTION CONDUCTOR mm	MINIMUM THICKNESS INSULATION mm	RADIAL INSULATION THICKNESS mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	APPROX. WEIGHT kg/km	MAX. DCR AT 20 °C	CURRENT CARRYING CAPACITY AT 70 °C
A4ET107/02**	1	0.22	7/0.2	0.15	0.2	0.95	1.05	2.66	88	1.4
A4ET101/06**	1	0.28	1/0.6	0.15	0.2	0.95	1.05	3.55	64.1	1.8
A4ET207/02**	2	0.22	7/0.2	0.25	0.3	1.1	1.3	3.13	88	1.4
A4ET201/06**	2	0.28	1/0.6	0.25	0.3	1.1	1.3	3.65	64.1	1.8
A4ET213/02**	2	0.41	13/0.2	0.25	0.3	1.38	1.58	5.9	48.8	2.6
A4ET216/02**	2	0.5	16/0.2	0.25	0.3	1.45	1.65	6.11	38.2	3
A4ET224/02**	2	0.75	24/0.2	0.4	0.45	1.95	2.15	9.85	25.5	4.5
A4ET316/02**	3	0.5	16/0.2	0.5	0.6	2	2.25	8.92	38.2	3
A4ET324/02**	3	0.75	24/0.2	0.5	0.6	2.2	2.45	11.57	25.5	4.5
A4ET332/02**	3	1	32/0.2	0.5	0.6	2.4	2.65	14.6	19.1	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)