

Defence Standard 61-12 Part 5 Cable



Eland Product Group: A2D

APPLICATION

These Multi-Core flexible cables are designed for high density wiring between components and within instruments and electronic equipment. They are extensively used in aircraft, process control systems, computers, data processors, military vehicles and military equipment.

CHARACTERISTICS

Voltage Rating

440V r.m.s. at frequencies up to 1.6kHz

Maximum Resistance of Conductor at 20°C

16/0.2 : 40.1 ohms/km

Current Carrying Capacity

2.5 Amps

Temperature Rating

Fixed: -30°C to +70°C

Flexed: -15°C to +70°C

Minimum Bending Radius

Fixed: 7.5 x overall diameter

CONSTRUCTION

Conductor

Class 5 flexible tinned copper conductor

Insulation

PVC (Polyvinyl Chloride)

Screen

TCWB (Tinned Copper Wire Braid)

Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

● Black

STANDARDS

Defence Standard 61-12 Part 5

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 is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU and 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

Circular Conductor, PVC Insulated, PVC Sheathed, Def Stan 61/12 Part 4

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D5BK02005A	16-2-2A	2	0.9	5.5	34
A2D5BK03005A	16-2-3A	3	0.9	5.8	42
A2D5BK04005A	16-2-4A	4	0.9	6.3	54
A2D5BK06005A	16-2-6A	6	0.9	7.3	75
A2D5BK08005A	16-2-8A	8	0.9	8.5	96
A2D5BK12005A	16-2-12A	12	0.9	9.5	120
A2D5BK18005A	16-2-18A	18	0.9	11	180
A2D5BK25005A	16-2-25A	25	0.9	13.1	230

Circular Conductor, PVC Insulated, Collectively Screened Cores, PVC Sheathed, Def Stan 61/12 Part 5

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D5BK02005S	16-2-2C	2	0.9	6.5	69
A2D5BK03005S	16-2-3C	3	0.9	6.8	79
A2D5BK04005	16-2-4C	4	0.9	7.3	92
A2D5BK06005S	16-2-6C	6	0.9	8.3	120
A2D5BK08005S	16-2-8C	8	0.9	8.9	140
A2D5BK10005S	16-2-10C	10	0.9	9.3	165
A2D5BK12005S	16-2-12C	12	0.9	10.6	190
A2D5BK18005S	16-2-18C	18	0.9	12	250
A2D5BK25005S	16-2-25C	25	0.9	14	320

Circular Conductor, PVC Insulated, Individually Screened Cores, PVC Sheathed, Def Stan 61/12 Part 5

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D5BK02005D	16-2-2D	2	0.9	6	47
A2D5BK03005D	16-2-3D	3	0.9	6.8	60
A2D5BK04005D	16-2-4D	4	0.9	7.4	75
A2D5BK06005D	16-2-6D	6	0.9	8.7	110
A2D5BK07005D	16-2-7D	7	0.9	8.7	120
A2D5BK12005D	16-2-12D	12	0.9	11.3	190
A2D5BK18005D	16-2-18D	18	0.9	13.3	270
A2D5BK25005D	16-2-25D	25	0.9	15.9	360



CORE IDENTIFICATION

NO. OF CORES	CORE IDENTIFICATION	NO. OF CORES	CORE IDENTIFICATION	NO. OF CORES	CORE IDENTIFICATION
1	● Red	13	● Red/Blue	25	● Yellow/Green
2	● Blue	14	● Green/Red	26	● White/Green
3	● Green	15	● Yellow/Red	27	● Green/Black
4	● Yellow	16	● White/Red	28	● Orange/Green
5	○ White	17	● Red/Black	29	● Grey/Green
6	● Black	18	● Red/Brown	30	● Yellow/Brown
7	● Brown	19	● Yellow/Blue	31	● White/Brown
8	● Violet	20	● White/Blue	32	● Brown/Black
9	● Orange	21	● Blue/Black	33	● Grey/Brown
10	● Pink	22	● Orange/Blue	34	● Yellow/Violet
11	● Turquoise	23	● Green/Blue	35	● Violet/Black
12	● Grey	24	● Grey/Blue	36	● White/Violet

Base colours are indicated by capital letters

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.