ELAND® CABLES

Defence Standard 61-12 Part 4 Cable

Eland Product Group: A2D

APPLICATION

These Multi-Core flexible cables are designed for high density wiring between components 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
Cores with 7/0.1 mm conductors:
250V r.m.s. at frequencies up to 1.6 kHz
Cores with 7/0.2 mm conductors:
440V r.m.s. at frequencies up to 1.6 kHz

Maximum Resistance of Conductor at 20°C
7/0.1 mm: 384 ohms/km
7/0.2 mm: 92 ohms/km

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
Stranded tinned copper conductor; 0.055mm² (7/0.1mm); 0.22mm² (7/0.2mm)

Insulation
PVC (Polyvinyl Chloride)

Screen
TCWB (Tinned Copper Wire Braid)

Sheath
PVC (Polyvinyl Chloride)

Sheath Colour
● Black

STANDARDS

Defence Standard 61-12 Part 4

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 Reglation EN 50575, the Construction Products Regulation.

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

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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
A2D4BK020022A	7-2-2A	2	0.45	3.35	13
A2D4BK030022A	7-2-3A	3	0.45	3.55	16
A2D4BK040022A	7-2-4A	4	0.45	3.85	20
A2D4BK060022A	7-2-6A	6	0.45	4.55	30
A2D4BK120022A	7-2-12A	12	0.55	6.1	53
A2D4BK180022A	7-2-18A	18	0.65	7.4	80
A2D4BK250022A	7-2-25A	25	0.65	8.7	100
A2D4BK360022A	7-2-36A	36	0.65	9.8	140
A2D4BK500022A	7-2-50A	50	0.75	11.6	200

Circular Conductor, PVC Insulated, Collectively Screened Cores, 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
A2D4BK020022	7-2-2C	2	0.45	3.85	23
A2D4BK030022	7-2-3C	3	0.45	3.95	27
A2D4BK040022	7-2-4C	4	0.45	4.35	32
A2D4BK060022	7-2-6C	6	0.55	5.6	55
A2D4BK080022	7-2-8C	8	0.55	5.6	60
A2D4BK120022	7-2-12C	12	0.55	6.9	83
A2D4BK180022	7-2-18C	18	0.65	8.2	110
A2D4BK250022	7-2-25C	25	0.65	9.5	150
A2D4BK360022	7-2-36C	36	0.75	10.8	200
A2D4BK500022	7-2-50C	50	0.75	12.6	270

Circular Conductor, PVC Insulated, Individually Screened Cores, 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
A2D4BK020022D	7-2-2D	2	0.45	4.25	22
A2D4BK030022D	7-2-3D	3	0.45	4.55	29
A2D4BK040022D	7-2-4D	4	0.55	5.1	40
A2D4BK060022D	7-2-6D	6	0.55	6.1	58
A2D4BK120022D	7-2-12D	12	0.65	8.2	110
A2D4BK180022D	7-2-18D	18	0.65	9.6	150
A2D4BK250022D	7-2-25D	25	0.75	11.65	210
A2D4BK360022D	7-2-36D	36	0.75	13.1	290
A2D4BK500022D	7-2-50D	50	0.9	15.6	410

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

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