

# Multi-Core Data Cables to Def Stan 61/12 Part 4

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.

## Standards

Generally to Def Stan 61-12 Part 4

## Technical Data

### Conductor

Class 5 flexible tinned copper conductors; 0.05mm<sup>2</sup> (7/0.1mm); 0.22mm<sup>2</sup> (7/0.2mm); 0.50mm<sup>2</sup> (16/0.2mm)

### Insulation

PVC (Polyvinyl Chloride)

### Screen

TCWB (Tinned Copper Wire Braid)

### Sheath

PVC (Polyvinyl Chloride)

### Sheath Colour

Black

### Voltage Rating

Cores with 7/0.1mm conductors:  
250V r.m.s. at frequencies up to 1.6 kHz

Cores with 7/0.2mm conductors:  
440V r.m.s. at frequencies up to 1.6 kHz

### Maximum Resistance of Conductor at 20°C

7/0.1mm: 384 ohms/Km

7/0.2mm: 92 ohms/Km

### Operating Temperature

0°C to +70°C

### Minimum Bending Radius

7.5 x overall diameter

### Core Identification

See Core Identification on page 2 of data-sheet

## Dimensions

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

Part Numbers	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A2D4BK020005A	7-1-2A	2	0.40	2.25	5.4
A2D4BK030005A	7-1-3A	3	0.40	2.35	6.5
A2D4BK040005A	7-1-4A	4	0.40	2.55	8.0
A2D4BK060005A	7-1-6A	6	0.45	3.05	12.0
A2D4BK120005A	7-1-12A	12	0.45	3.85	19.0
A2D4BK180005A	7-1-18A	18	0.45	4.45	Ø
A2D4BK250005A	7-1-25A	25	0.55	5.50	Ø
A2D4BK360005A	7-1-36A	36	0.55	6.10	Ø
A2D4BK500005A	7-1-50A	50	0.55	7.00	Ø

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

Part Numbers	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	6.10	53
A2D4BK180022A	7-2-18A	18	0.65	7.40	80
A2D4BK250022A	7-2-25A	25	0.65	8.70	100
A2D4BK360022A	7-2-36A	36	0.65	9.80	140
A2D4BK500022A	7-2-50A	50	0.75	11.60	200

**Circular Conductor, PVC Insulated, Collectively Screened Cores, PVC Sheathed, Def Stan 61/12 Part 4**

Part Numbers	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A2D4BK020005	7-1-2C	2	0.40	2.75	13
A2D4BK030005	7-1-3C	3	0.45	2.95	15
A2D4BK040005	7-1-4C	4	0.45	3.15	17
A2D4BK060005	7-1-6C	6	0.45	3.55	21
A2D4BK120005	7-1-12C	12	0.45	4.35	31
A2D4BK180005	7-1-18C	18	0.55	5.50	50
A2D4BK250005	7-1-25C	25	0.55	6.30	62
A2D4BK360005	7-1-36C	36	0.55	6.90	79
A2D4BK500005	7-1-50C	50	0.65	8.00	100

**Circular Conductor, PVC Insulated, Collectively Screened Cores, PVC Sheathed, Def Stan 61/12 Part 4**

Part Numbers	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A2D4BK02022	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	5.60	55
A2D4BK080022	7-2-8C	8	0.55	5.60	60
A2D4BK120022	7-2-12C	12	0.55	6.90	83
A2D4BK180022	7-2-18C	18	0.65	8.20	110
A2D4BK250022	7-2-25C	25	0.65	9.50	150
A2D4BK360022	7-2-36C	36	0.75	10.80	200
A2D4BK500022	7-2-50C	50	0.75	12.60	270

**Circular Conductor, PVC Insulated, Individually Screened Cores, PVC Sheathed, Def Stan 61/12 Part 4**

Part Numbers	Cable Identification Code	No. of Cores	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A2D4BK020005D	7-1-2D	2	0.45	3.05	11
A2D4BK030005D	7-1-3D	3	0.45	3.25	14
A2D4BK040005D	7-1-4D	4	0.45	3.55	17
A2D4BK060005D	7-1-6D	6	0.45	4.15	24
A2D4BK120005D	7-1-12D	12	0.55	5.60	43
A2D4BK180005D	7-1-18D	18	0.55	6.60	61
A2D4BK250005D	7-1-25D	25	0.65	7.90	83
A2D4BK360005D	7-1-36D	36	0.65	8.80	105
A2D4BK500005D	7-1-50D	50	0.65	10.20	150

**Circular Conductor, PVC Insulated, Individually Screened Cores, PVC Sheathed, Def Stan 61/12 Part 4**

Part Numbers	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	5.10	40
A2D4BK060022D	7-2-6D	6	0.55	6.10	58
A2D4BK120022D	7-2-12D	12	0.65	8.20	110
A2D4BK180022D	7-2-18D	18	0.65	9.60	150
A2D4BK250022D	7-2-25D	25	0.75	11.65	210
A2D4BK360022D	7-2-36D	36	0.75	13.10	290
A2D4BK500022D	7-2-50D	50	0.90	15.60	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

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.