ELAND® CABLES

Defence Standard 61-12 Part 4 LSZH 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. The LSZH construction ensures enhanced performance in the event of fire reducing the emmisions of smoke and toxic fumes making them a perfect solution for sensitive equipment areas. For installations where fire, smoke emissions and toxic fumes create a potential threat to life and equipment.

CONSTRUCTION

Conductor
Class 2 Stranded tinned copper conductor

Insulation
LSZH (Low Smoke Zero Halogen)

Tape
Mylar

Drain Wire
Stranded tinned copper

Screen
AL-foil

Tape
Mylar

Rip Cord
Nylon

Sheath
LSZH (Low Smoke Zero Halogen)

CABLE STANDARDS

UL1581, Generally to Def Stan 61-12 Part 4,
BS EN/IEC 60754-1 and 2 BS EN 50267-2-1 and 2,
BS EN/IEC 61034-1

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

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

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

Minimum Bending Radius
Fixed: 7.5 x overall diameter

Temperature Rating
Fixed: -30°C to +60°C
Flexed: -15°C to +60°C

Sheath Colour
● Black

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DIMENSIONS

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASD4BKS020022LS	7-2-2S	2	3.7	23
ASD4BKS030022LS	7-2-3S	3	4	27
ASD4BKS040022LS	7-2-4S	4	4.3	32
ASD4BKS060022LS	7-2-6S	6	5.1	60
ASD4BKS120022LS	7-2-12S	12	6.6	83
ASD4BKS180022LS	7-2-18S	18	7.8	110
ASD4BKS250022LS	7-2-25S	25	9.2	150

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASD4BKC020022LS	7-2-2C	2	3.9	23
ASD4BKC030022LS	7-2-3C	3	4.1	27
ASD4BKC040022LS	7-2-4C	4	4.4	32
ASD4BKC060022LS	7-2-6C	6	5.6	53
ASD4BKC080022LS	7-2-8C	8	5.9	61
ASD4BKC120022LS	7-2-12C	12	6.9	62
ASD4BKC180022LS	7-2-18C	18	8.2	144
ASD4BKC250022LS	7-2-25C	25	9.5	148

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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.

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