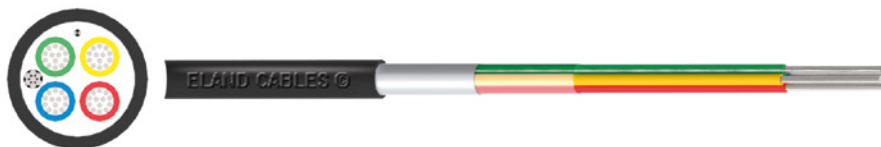


Defence Standard 61-12 Part 5 LSZH Cable



Eland Product Group: **A2D**

APPLICATION

These multicore 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. For installations where fire, smoke emissions and toxic fumes create a potential risk to life and equipment.

CONSTRUCTION

Conductor

Class 5 flexible Stranded tinned copper conductor

Sizes

16 strands/0.2 mm

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 5,
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

16/0.2: 40.1ohms/km

Minimum Bending Radius

Fixed: 7.5 x overall diameter

Temperature Rating

Fixed: -30°C to +60°C

Flexed: -15°C to +60°C

Current Rating

2.5 amps

Sheath Colour

● Black

DIMENSIONS

LSZH Insulated, Foil Screen, LSZH Sheath

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D5BKS02005LS	16-2-2S	2	4.8	45
A2D5BKS04005LS	16-2-4S	4	6.2	60
A2D5BKS06005LS	16-2-6S	6	7.2	81
A2D5BKS08005LS*	16-2-8S	8	8.2	104
A2D5BKS12005LS	16-2-12S	12	9.7	132
A2D5BKS18005LS	16-2-18S	18	12.6	198

* the Cable A2D5BKS08005LS does not have the additional tape.

LSZH Insulated, TCWB (Tinned Copper Wire Braid), LSZH Sheath

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D5BKC02005LS	16-2-2C	2	6.5	66
A2D5BKC03005LS	16-2-3C	3	6.8	76
A2D5BKC04005LS	16-2-4C	4	7.3	90
A2D5BKC06005LS	16-2-6C	6	8.3	114
A2D5BKC08005LS	16-2-8C	8	8.9	135
A2D5BKC10005LS	16-2-10C	10	11.3	179
A2D5BKC12005LS	16-2-12C	12	10.5	183
A2D5BKC18005LS	16-2-18C	18	12.5	256
A2D5BKC25005LS	16-2-25C	25	14.1	321

LSZH Insulated, LSZH Sheath

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D5BKA02005LS	16-2-2A	2	5.5	35
A2D5BKA03005LS	16-2-3A	3	5.8	45
A2D5BKA04005LS	16-2-4A	4	6.5	73
A2D5BKA06005LS	16-2-6A	6	7.3	128
A2D5BKA08005LS	16-2-8A	8	9.5	178
A2D5BKA10005LS	16-2-10A	10	11	247
A2D5BKA12005LS	16-2-12A	12	13.4	345
A2D5BKA18005LS	16-2-18A	18	15.1	463
A2D5BKA25005LS	16-2-25A	25	17.6	543

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