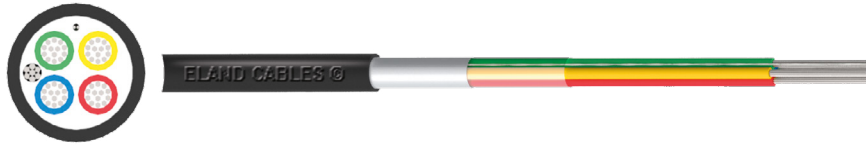


Defence Standard 61-12 Part 5 LSZH Cable



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.

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

Current Carrying Capacity

2.5 Amps

Temperature Rating

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

Minimum Bending Radius

Fixed: 7.5 x overall diameter

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 (Aluminium foil)

Tape

Mylar

Rip Cord

Nylon

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

● Black

STANDARDS

Defence Standard 61-12 Part 5, UL 1581,
BS EN IEC 60574-1/2, BS EN/IEC 61034-2

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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

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	5 Pair	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

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.