

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 emissions 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.

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

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 2 Stranded tinned copper conductor

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 4, UL 1581, BS EN IEC 60574-1
BS EN IEC 60574-2, BS EN/IEC 61034-2

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 Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/863/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D4BKS020022LS	7-2-2S	2	3.7	23
A2D4BKS030022LS	7-2-3S	3	4	27
A2D4BKS040022LS	7-2-4S	4	4.3	32
A2D4BKS060022LS	7-2-6S	6	5.1	60
A2D4BKS120022LS	7-2-12S	12	6.6	83
A2D4BKS180022LS	7-2-18S	18	7.8	110
A2D4BKS250022LS	7-2-25S	25	9.2	150

ELAND PART NO.	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A2D4BKC020022LS	7-2-2C	2	3.9	23
A2D4BKC030022LS	7-2-3C	3	4.1	27
A2D4BKC040022LS	7-2-4C	4	4.4	32
A2D4BKC060022LS	7-2-6C	6	5.6	53
A2D4BKC080022LS	7-2-8C	8	5.9	61
A2D4BKC120022LS	7-2-12C	12	6.9	62
A2D4BKC180022LS	7-2-18C	18	8.2	144
A2D4BKC250022LS	7-2-25C	25	9.5	148

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.