

## Defence Standard 61-12 Part 5 LSZH Cable



### 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.

### STANDARDS

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

### 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

## DIMENSIONS

### LSZH Insulated, Foil Screen, LSZH Sheath

	CABLE IDENTIFICATION CODE	NO. OF CORES	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
	16-2-2S	2	4.8	45
	16-2-4S	4	6.2	60
	16-2-6S	6	7.2	81
	16-2-8S	8	8.2	104
	16-2-12S	12	9.7	132
	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

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

### LSZH Insulated, LSZH Sheath

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

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