



Designed for high density wiring between components and within electronic equipment. LSZH cables ensure increased safety in the case of fire due to the virtual elimination of toxic fumes if burnt.

Used in aircraft, process control systems, computers, data processors, military vehicles & military equipment. Because of the mechanical design of these cables they should not be used for direct connection to mains power supplies.

Construction

0.5mm² stranded high conductivity tinned annealed copper conductors

low smoke zero halogen (LSZH) core insulation

Type A = unscreened,

Type C = overall tinned copper wire braid screen,

Type S = overall aluminium/polyester foil screen

black LSZH outer sheath

Technical

conductor stranding:	16x 0.2mm diameter (0.5mm ² area)
bend radius:	7.5 x overall diameter (O/D) fixed
voltage rating:	440V RMS up to 1600Hz operating
current rating:	2.5 amp
conductor resistance:	40 Ohm/km maximum @ 20°C
temperature range:	0°C to +70°C flexible
standards:	construction generally to British Defence Standard 61-12 Part 5
	flame retardant according to IEC 60332-1
	smoke emission according to IEC 61034
	halogen acid gas emission according to IEC 60754-1+2
core identification:	coloured to British Defence Standard Chart

Cable Reference	Number of Cores	Screening Option (type)	Overall Diameter (mm)	Overall Weight (kg/km)
16-2-2A LSZH	2	Type A (no screen)	5.6	35
16-2-3A LSZH	3		5.9	42
16-2-4A LSZH	4		6.4	54
16-2-6A LSZH	6		7.4	76
16-2-8A LSZH	8		8.0	96
16-2-12A LSZH	12		9.5	120
16-2-18A LSZH	18		11.0	180
16-2-25A LSZH	25		14.1	274



Cable Reference Number	Number of Cores	Screening Option (type)	Overall Diameter (mm)	Overall Weight (kg/km)
16-2-2C LSZH	2	Type C (braid screen)	6.4	72
16-2-3C LSZH	3		6.7	82
16-2-4C LSZH	4		7.2	97
16-2-6C LSZH	6		8.3	130
16-2-8C LSZH	8		8.8	152
16-2-12C LSZH	12		10.5	202
16-2-18C LSZH	18		12.0	270
16-2-25C LSZH	25		14.1	350
16-2-36C LSZH	36		16.1	475
16-2-2S LSZH	2	Type S (foil screen)	5.7	47
16-2-3S LSZH	3		6.0	56
16-2-4S LSZH	4		6.8	61
16-2-6S LSZH	6		7.6	75
16-2-8S LSZH	8		8.2	89
16-2-12S LSZH	12		9.7	132
16-2-18S LSZH	18		12.6	198
16-2-25S LSZH	25		14.0	269

LSZH Properties: fairly tough & flexible material resistant to a wide range of oils & chemicals. Guarantees max. 0.5% HCL emissions if burnt. Also known as LSOH & LSHF (low smoke zero halogen/halogen free).

Not to be confused with LSF (low smoke and fume) for which may just mean modified PVC. There is no standard governing the hydrogen chloride (HCL) emissions of LSF so it may still be hazardous if burnt.

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