



## LSZHB INDOOR - OUTDOOR CABLE

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LSZHB series Indoor-Outdoor Cables are of a loose tube construction and meet the requirements of the UL 1581 and IEEE 383 flame tests for cable tray installation. The cable design features a central strength member around which colour coded buffer tubes, each containing one or more optical fibres, are cabled.

The cabled buffer tubes are sheathed with an additional Kevlar strengthening yarn and the cable completed with a fire retardant polyolefin jacket. This design gives the optimum protection for external applications, balanced against the needs for use inside buildings.

### Product Highlights

- RoHS compliant
- Buffer tubes contain a thixotropic gel which provides both moisture and water protection
- Cables can be installed vertically with no movement of the gel inside the tubes
- UV resistant jacket
- Design allows significant temperature variations to occur along the cable without change in fibre performance
- Dry, super absorbent polymers (SAPs) eliminate water migration in cable interstices
- Available with up to 216 optical fibres
- Suitable for lashed aerial, duct, underground conduit and indoor applications



Fibre Count	Cable OD/mm	Cable Weight /kg per km
36	11.8	108.8
48	11.8	117.7
60	11.8	126.7
72	11.8	135.6
84	12.7	157.9
96	13.5	178.8
108	14.3	204.1
120	15.2	229.5
132	16	257.8
144	16.9	287.6

Fibre Count	Maximum Tensile Load	
	Install/N	Operation/N
36	2670	890
48	2670	890
60	2670	890
72	2670	890
84	2670	890
96	2670	890
108	2670	890
120	2670	890
132	2670	890
144	2670	890



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Custom build cables are available for heavy or industrial applications to provide extra strength and durability together with dual jacket designs, corrugated steel or interlock steel armour.

\*Values given in the above table are for cable made with of 12 fibres per tube, for example, 48 fibres made up of 4 tubes with 12 fibres per tube. Cables can be supplied with 2, 4, 6, or 8 fibres per tube on a custom build.

This cable design allows a maximum of 216 fibres in one cable.

### Minimum Bend radius

- 10 times cable outside diameter with no load
- 15 times cable outside diameter with full load

### How to order cable:

Cable Series + Number of Fibres + Fibre size

e.g. LSZHB6-12-010X is a 12 core 8.3/125µm Loose Tube cable

