LSZH™ LST™ Single-Tube, Gel-Free Cable

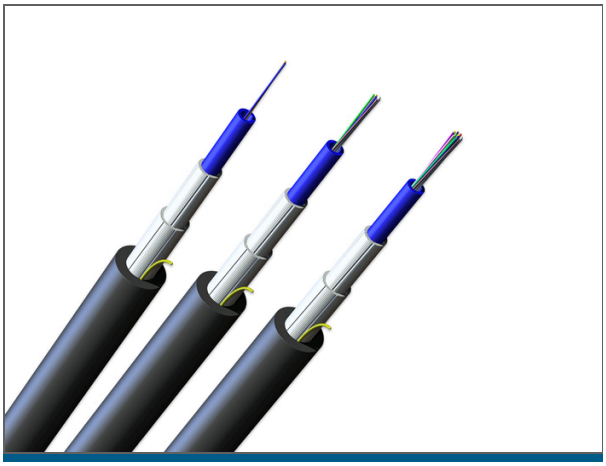
Corning LSZH™ loose tube gel-free cables are flame-retardant, indoor/outdoor, suitable for installation in interbuilding and intrabuilding applications. The loose tube design offers mechanical ruggedness and environmental durability while the all-dielectric cable construction requires no grounding or bonding. The water-swellable yarn eliminates the need for gel-filling compound and allows more efficient and craft-friendly cable preparation. The 250 µm color-coded fibers allow quick and easy identification during installation.

Corning LSZH™ cables eliminate risks in the event of a fire as the LSZH compound does not drip when superheated. The material burns to ash, eliminating the onset of secondary fires. The flexible, flame-retardant outer jacket is UV-resistant and enables direct exposure to sunlight.

Features and Benefits

Low-smoke, zero-halogen sheath
Key life-safety benefit

Meets cyclic impact and chemical resistance test
Superior performance



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Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame Test Method	Non-corrosive according to IEC 60754-2
Waterblocking	IEC 60794-1-2 F5
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable) and IEC 60332-3-24 (bunch of cables)
Smoke density	Low smoke according to IEC 61034
Level of corrosion	Non-corrosive according to IEC 60754-2

Specifications

General Specifications	
Environment	Indoor/Outdoor
Product Type	Dielectric
Cable Type	Single Tube
Flame Rating	LSZH (OFN-LS)

Temperature Range	
Temperature Range, Storage	-30 °C - 70 °C (-22 °F - 158 °F)
Temperature Range, Installation	-5 °C - 50 °C (23 °F - 122 °F)
Temperature Range, Operation	-30 °C - 70 °C (-22 °F - 158 °F)

Design Characteristics Cable		
Fiber Count	Fibers per Tube	Number of Tube Positions
6	6	1
8	8	1

Transmission Performance

Single-mode	
Performance Option Code	01
Fiber Category	G.652.D - G.652.D/G.657.A1
Fiber Name	Single-mode (OS2) - SMF-28® Ultra fiber
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	E - Z
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

RoHS COMPLIANT

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