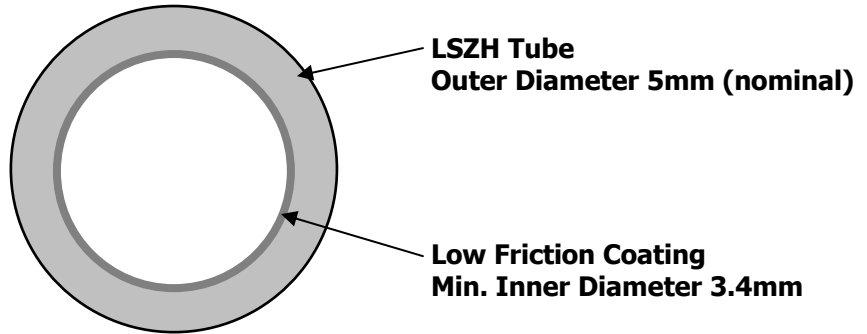


# OAsys LSZH Transport Tube

**Prysmian Part Number:**

- XTBSC00027** 5m coil (packed)
- XTBSC00024** 10m coil (packed)
- XTBSC00029** 20m coil (packed)
- XTBSC00031** 50m on reel



Transport tubing is a low fire hazard tubing used as a fibre pathway for indoor applications. The product is manufactured from materials designed for low smoke emission containing zero halogens (chlorine, bromine, fluorine). The tube does not have a cable sheath and is therefore not suitable to environments where physical abuse is possible.

## Physical Properties

<b>Tube Material</b>	LSZH compound	<b>Minimum wall thickness</b>	0.65mm
<b>Tube Internal lining</b>	Low friction Material	<b>Colour</b>	White
<b>Tube mass (nominal)</b>	15g/m	<b>Minimum Bend Radius</b>	50mm.
<b>Outer diameter</b>	5.0 +/- 0.1mm	<b>Supply Lengths</b>	Available upon request
<b>Inner diameter</b>	3.5 +/- 0.1mm	<b>Tube fits standard 5mm push fit connectors</b>	

## Test Performance

**(i) Fire Performance**

Pass Flammability Tests IEC332 Part 1 and Part 3  
 Pass Smoke Emission BS7622 not exceeding Ao=0.25  
 Temperature index minimum 280°C

**(ii) Mechanical Properties**

<b>Pressure</b>	Tube shall withstand test at 13 bar at 20°C for 24 hours	<b>Crush</b>	Maximum 200N Test method IEC60794-1-2 : Method E3
<b>Tension</b>	Maximum 0.5 W Test method IEC60794-1-2 : Method E1.	<b>Flexibility</b>	5 turns around a 60mm mandrel Test method IEC60794-1-2 : Method E11

Where the maximum tensile load =  $9.81 \times W \times N$ ,  
 Where W = mass of 1Km of tube in Kg.

Acceptance Criteria – A ball or probe of diameter 3mm shall pass completely through a sample of 100mm of the tested tube.

Acceptance Criteria - There shall be no permanent deformation greater than 15%, no splitting or permanent damage. A ball or probe of diameter 3mm shall pass completely through the tested tube.

Acceptance Criteria - There shall be no permanent damage of the tube and no diameter reduction greater than 10%. A ball or probe of diameter 3mm shall pass completely through the tested tube.

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