

## LSZH SIMPLEX PATCH CABLE FPSZ

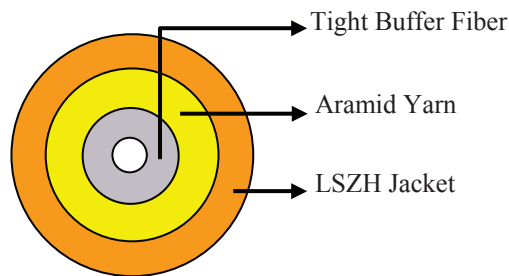
### Tight Buffered Fiber, Aramid Yarn & LSZH Jacket, Simplex

#### General Description

This document specifies simplex patch cable that comprised a tight buffer fiber, aramid yarn strength member and outer LSZH jacket. The flame retardant Low Smoke Zero Halogen outer sheath provides not only the fire flame retardant capability but also emit low smoke and non toxic gas when it is burnt. This means the cable is save to be used in indoor and enclose environment.

#### Basic Construction

##### Simplex Patch Cable



#### Optical Fiber

Singlemode 9/125um or Multimode(50/125um or 62.5um) fibers. Refer to Fiber Specification Data Sheet for more detail

#### Structure of Mini Cable

The tight buffered fibers are stranded and LSZH is extruded over it to form the mini cable jacket. The mini cable various outer diameter is 1.6mm, 2.0mm, 2.8mm & 3.0mm.

#### Tight Buffered Fibers

Fibers are individually buffered to 0.9mm in a tight or semi-tight construction and color coded

#### Aramid Yarn

Aramid Yarn may be applied either inside the mini cable jacket or over the cable cores under the inner/outer jacket to serve as peripheral strength members.

#### Outer Jacket

LSZH outer jacket is extruded over the mini cable. Nominal thickness is about 0.50mm.

#### Outer Jacket Color

Yellow for Singlemode (9/125um) & Orange for Multimode (50/125um & 62.5/125um)

# FIBER OPTIC CABLE

## Technical Characteristics

Fiber Count	Cable Type	Nominal Outer Diameter (mm)	Approx. Weight (Kg/Km)	Maximum Pulling Load	
				Installation (N)	In Service (N)
1	Simplex	1.6	3.6	N.A.	N.A.
1	Simplex	2.0	4.8	120	60
1	Simplex	2.8	7.5	150	80

## Cable Marking

The cable is marked with white or other colors as follows:

### For Singlemode Fiber Cable

FIBERTEK FPSZ009 1 x 9/125um LSZH SIMPLEX PATCH CABLE \*Year\* \*Meter Marking\*

### For Multimode (50um) Fiber Cable

FIBERTEK FPSZ050 1 x 50/125um LSZH SIMPLEX PATCH CABLE \*Year\* \*Meter Marking\*

### For Multimode (62.5um) Fiber Cable

FIBERTEK FPSZ062 1 x 62.5/125um LSZH SIMPLEX PATCH CABLE \*Year\* \*Meter Marking\*

## Packing

Maximum 2,000 Meters Per Drum

## Mechanical Properties

### Minimum Bending Radius

Under installation : 20×OD

During operation: 10×OD

### Temperature Range

Operating Temperature Range : -20 °C to +60 °C

Storage Temperature Range : -20 °C to +60 °C

Maximum Compressive Load : 500N/100mm



# FIBER OPTIC CABLE

## Fiber Compliance

Temperature Cycling	IEC60794-1-2-F2
Tensile Strength	IEC60794-1-2-E1A
Crush	IEC60794-1-2-E3
Impact	IEC60794-1-2-E4
Repeated Bending	IEC60794-1-2-E6
Torsion	IEC60794-1-2-E7
Kink	IEC60794-1-2-E10
Cable Bend	IEC60794-1-2-E11
Cool Bend	IEC60794-1-2-E11

## Safety Compliance

LSZH Grade	Halogen Content Test: IEC60754-1 Acidity Test: IEC60754 Smoke Emission Test: IEC61034-1/2 Flame Retardant to IEC60332-3C
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## Standard Compliance

GR409-CORE	TIA/EIA 568B.3 & ICEA-S-83-596
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## Ordering Information

Model	Description
FPSZ009 (For 9/125um)	FiberTek LSZH Simplex Patch Cable, 1 x 9/125um
FPSZ050 (For 50/125um)	FiberTek LSZH Simplex Patch Cable, 1 x 50/125um
FPSZ062 (For 62.5/125um)	FiberTek LSZH Simplex Patch Cable, 1 x 62.5/125um
REMARKS Other Outer Jacket color is also available but MOQ of 1000m will apply for special color.	

