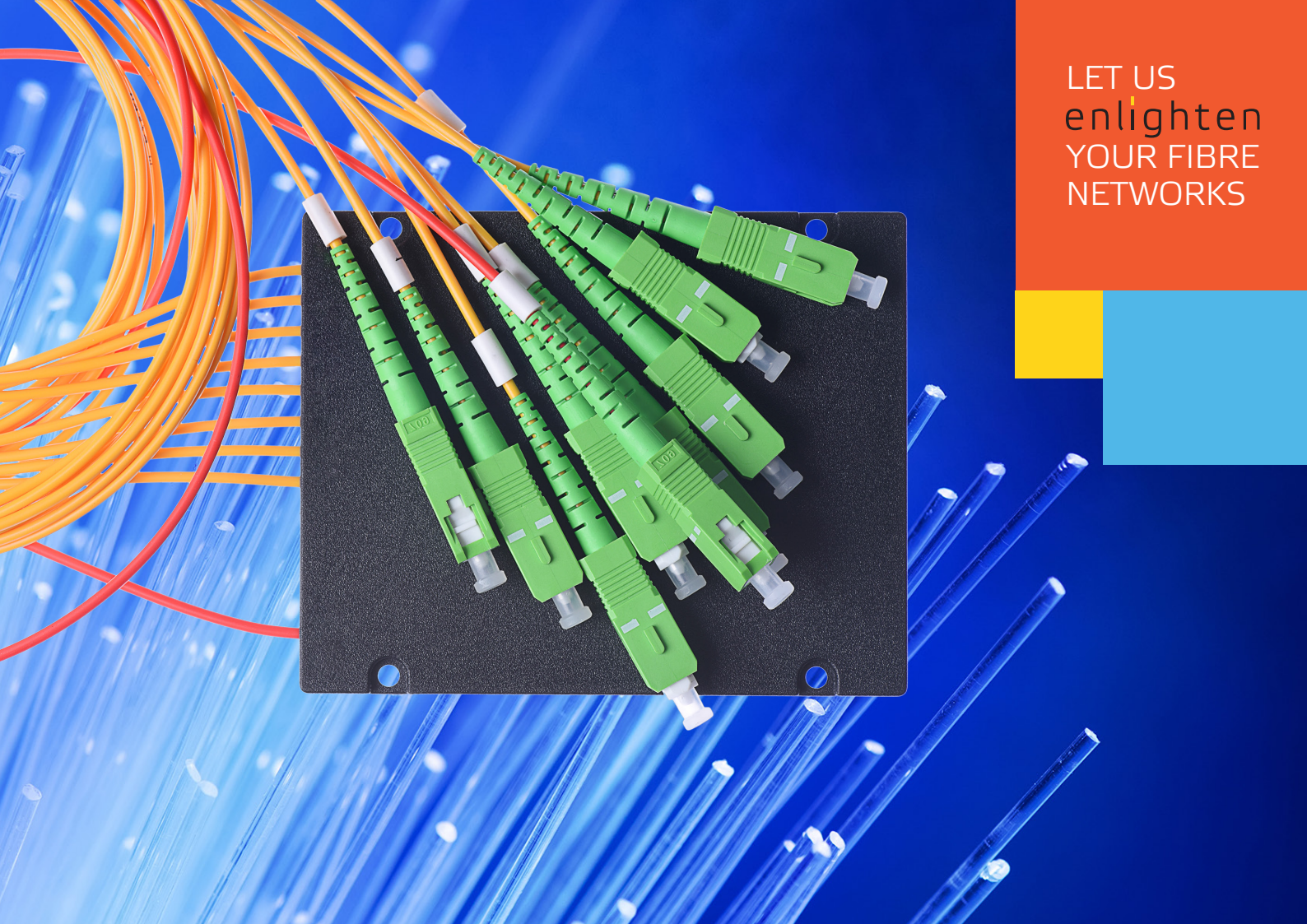


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NETWORKS



Splitters - housings include; ABS Standard, ABS Mini, Compact Stainless Tube, 19" Panel and LGX Module

# enlighten OPTICAL SPLITTERS

Teleste has a full range of splitters available as FBT and PLC types and with housing options of steel tubes and ABS among a variety of others. They are available as bare fibre or 0.9 mm glass in different types, connector options, fibre colours and lengths.

## Features

- Low insertion loss.
- Low polarization dependent loss.
- Good channel-to-channel uniformity.
- Wide operating wavelength: 1260~1650nm.
- High reliability and excellent stability across all ratios.
- Available in a wide range of housing styles.
- Other housings, fibre and cable types available on request.



**TELESTE**

# enlighten OPTICAL PASSIVES / OPTICAL SPLITTERS

OPTICAL SPECIFICATIONS						
Parameter	1x2	1x4	1x8	1x16	1x32	1x64
Operating wavelength (nm)	1260 - 1650					
Test wavelength (nm)	1310 & 1550					
Insertion loss (dB)	≤3.8	≤7.1	≤10.2	≤13.5	≤16.8	≤20.1
Insertion loss with connectors and adaptor (dB)	≤4.4	≤7.7	≤10.8	≤14.1	≤17.4	≤20.7
Polarization Dependent Loss (dB)	≤0.2	≤0.2	≤0.2	≤0.3	≤0.3	≤0.35
Loss uniformity (dB)	≤0.4	≤0.6	≤0.8	≤1.2	≤1.5	≤2.0
Return loss (dB)	≥55 (APC)					
Wavelength dependent loss (dB)	≤0.5					
Max optical power (mW)	300					
Directivity (dB)	≥55					

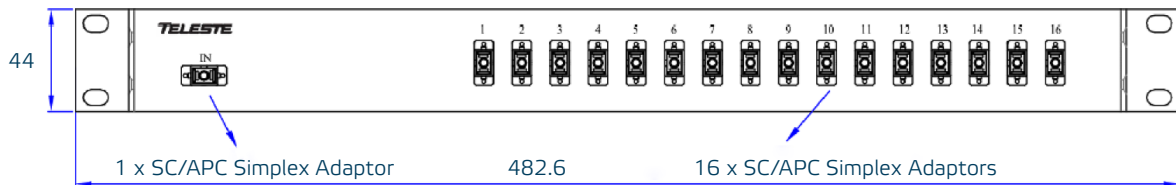
## GENERAL SPECIFICATIONS

Splitter Type (19" Chassis)	900um hytrel buffer of input & output encapsulated in steel tube		
Operating temperature	-40 to +85 °C	Storage temperature	-40 to +85 °C

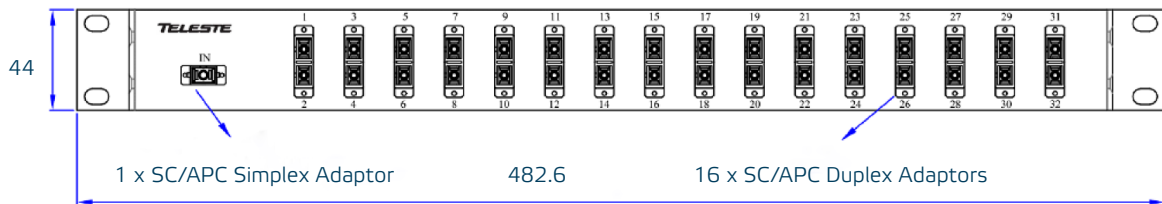
## MECHANICAL DIMENSIONS (mm) AND CONNECTOR LAYOUTS SC/APC MODELS - 19" PLC SPLITTER PANELS

H x W x D (mm): 44 x 482.6 x 220

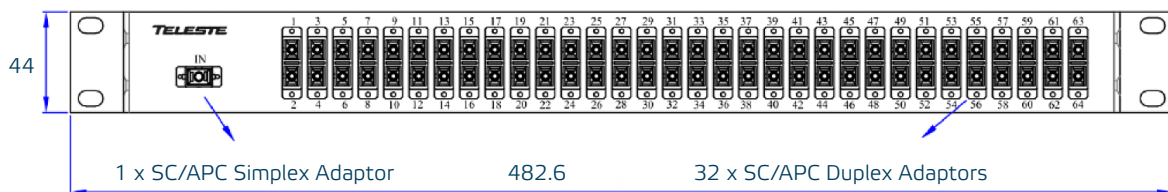
1x2/1x4/1x8/1x16 19" PLC Panel



1x32 19" PLC Panel



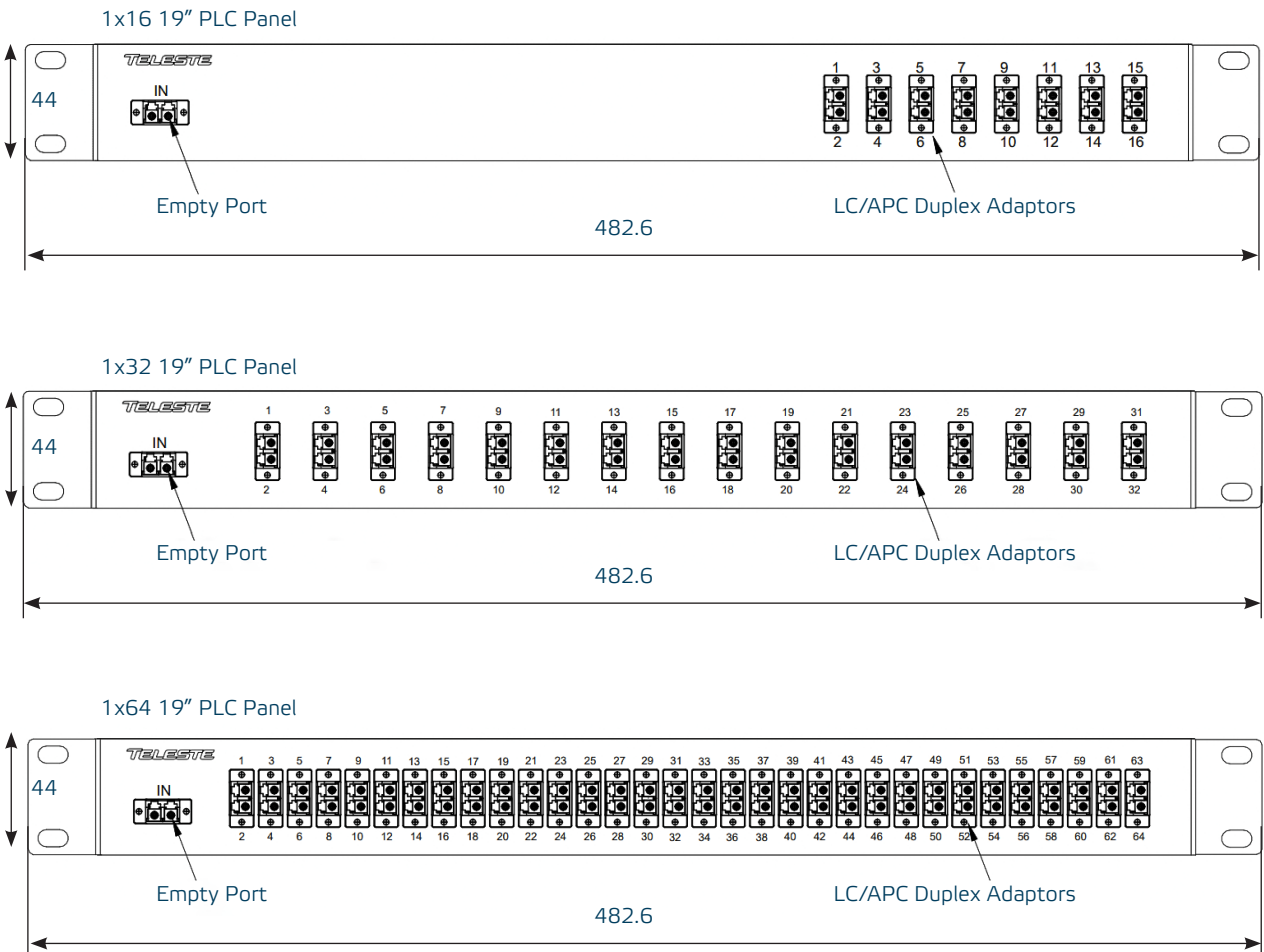
1x64 19" PLC Panel



# enlighten OPTICAL PASSIVES / OPTICAL SPLITTERS

## MECHANICAL DIMENSIONS (mm) AND CONNECTOR LAYOUTS LC/APC MODELS - 19" PLC SPLITTER PANELS

H x W x D (mm): 44 x 482.6 x 220



### LGX MECHANICAL DIMENSIONS - H x D x W (mm)

130(100) x 160 x 29

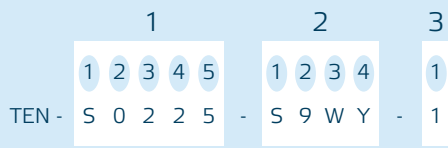
Note: Height of the 19" frame is 130mm, the aperture the module sits in is 100mm.

### PLC ENCAPSULATION MECHANICAL DIMENSIONS - VARIOUS HOUSINGS (L x W x H mm)

Fibre	Housing	1x2	1x4	1x8	1x16	1x32	1x64
250 µm	Stainless Tube	40x4x4				50x7x4	60x12x4
0.9 mm	Stainless Tube	60x7x4			60x12x4	80x20x6	100x40x6
2.0 mm	ABS Box Standard	100x80x10					120x80x18
3.0 mm	ABS Box Standard	100x80x10			120x80x18		140x115x18
2.0 mm	ABS Box Mini	90x20x10	100x45x10			N/A	N/A
3.0 mm	ABS Box Mini	90x20x10	100x45x10		N/A	N/A	N/A

# enlighten OPTICAL PASSIVES / OPTICAL SPLITTERS

## CONFIGURATION MAP



### Configuration Example

TEN-S0225-S9WY-1

Splitter PLC 1x2 SC/APC input, SC/APC output, G657A2, steel tube, 0.9mm, input white, output yellow, 1m

## CONFIGURATION OPTIONS

### 1-1 Splitter

- S PLC
- F FBT

### 1-2/3 No. of Ports

- 02 1x2
- 04 1x4
- 08 1x8
- 16 1x16
- 32 1x32
- 64 1x64

### 1-4 Connector Type

- 0 Bare input, Bare output
- 1 Bare input, SC/APC output
- 2 SC/APC input, SC/APC output
- 3 Bare input, LC/APC output
- 4 LC/APC input, LC/APC output
- X Not applicable

### 1-5 Fibre Type

- 4 G.657A1
- 5 G.657A2
- 6 G.652D
- X Not applicable

### 2-1 Housing

- A ABS
- M Mini ABS
- S Steel Tube
- P 19" Panel
- L LGX Module

### 2-2 Diameter

- B Bare Fibre
- 9 0.9mm
- 2 2.0mm
- 3 3.0mm
- X Not applicable

### 2-3 Colour In

- Y Yellow
- B Blue
- W White
- G Green
- M Multicolour
- X Not applicable

### 2-4 Colour Out

- Y Yellow
- B Blue
- W White
- G Green
- M Multicolour
- X Not applicable

### 3-1 Length

- 1 m
- 1.5 m
- 2 m
- X Not applicable

# TELESTE

TELESTE CORPORATION

[www.teleste.com](http://www.teleste.com)

Enlighten\_Splitters\_230914

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