



Enlighten Splitters - housings include; ABS Standard, ABS Mini, Compact Stainless Tube and Steel Box Nano

## 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. 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.
- Different fibre and cable types available.



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## ENLIGHTEN OPTICAL PASSIVES / OPTICAL SPLITTERS

OPTICAL SPECIFICATIONS						
Parameter	1x2	1x4	1x8	1x16	1x32	1x64
Operating wavelength (nm)	1260-1650					
Insertion loss without conn. (dB)	3.5	7.0	10.2	13.3	16.5	20.0
Max insertion loss with conn. (dB)	4.0	7.4	10.5	13.8	17.1	20.4
PDL (dB)	≤0.2	≤0.2	≤0.2	≤0.25	≤0.3	≤0.3
Loss uniformity with conn. (dB)	≤0.4	≤0.7	≤0.8	≤1.0	≤1.5	≤1.9
Return loss @ 1550nm (dB)	≥55					
Wavelength dependent loss (dB)	≤0.5					
Max optical power (mW)	300					
Temperature stability (-40 to +85, dB)	≤0.5					
Operating/storage temperature	-40 to +85					
DIMENSIONS OF MECHANICAL HOUSINGS						
ABS Box Model (LxWxH mm)	1x2	1x4	1x8	1x16	1x32	1x64
	100x80x10			120x80x18		120x80x18
ABS Mini (LxWxH mm)	-	-	-	1x16	1x32	-
	-			100x80x10	100x80x10	-
Stainless Tube (LxWxH mm)	1x2	1x4	1x8	1x16	1x32	1x64
	60x7x4			60x12x4	80x40x6	
Steel Box Nano (LxWxH mm)	1x2	1x4	1x8	1x16	-	-
	40x4x4			-	-	-
CONFIGURATION MAP						
	1	2	3			
TEN -	1 2 3 4 5	1 2 3 4	1			
	S 0 2 2 5	S 9 W Y	1			
CONFIGURATION OPTIONS						
1-1 Splitter	1-2/3 No. of Ports	1-4 Connector Type	1-5 Fibre Type	2-1 Housing	2-2 Diameter	
<b>S</b> PLC	<b>02</b> 1x2	<b>0</b> Bare input, Bare output	<b>2</b> G.652D	<b>A</b> ABS	<b>B</b> Bare Fibre	
<b>F</b> FBT	<b>04</b> 1x4	<b>1</b> Bare input, SC/APC output	<b>4</b> G.657A1	<b>M</b> Mini ABS	<b>9</b> 0.9mm	
	<b>08</b> 1x8	<b>2</b> SC/APC input, SC/APC output	<b>5</b> G.657A2	<b>N</b> Nano	<b>2</b> 2.0mm	
	<b>16</b> 1x16	<b>3</b> Bare input, LC/APC output		<b>S</b> Steel Tube	<b>3</b> 3.0mm	
	<b>32</b> 1x32	<b>4</b> LC input, LC/APC output				
	<b>64</b> 1x64					
2-3 Colour In	2-4 Colour Out	3-1 Length	Configuration Example			
<b>Y</b> Yellow	<b>Y</b> Yellow	<b>1</b> m	TEN-S0225-SWY-1			
<b>B</b> Blue	<b>B</b> Blue	<b>1.5</b> m	Splitter PLC 1x2 SC/APC input, SC/APC output, G657A2, Steel Tube, 0.9mm input white, output yellow, 1m			
<b>W</b> White	<b>W</b> White	<b>2</b> m				
<b>G</b> Green	<b>G</b> Green					
<b>M</b> Multicolour	<b>M</b> Multicolour					

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