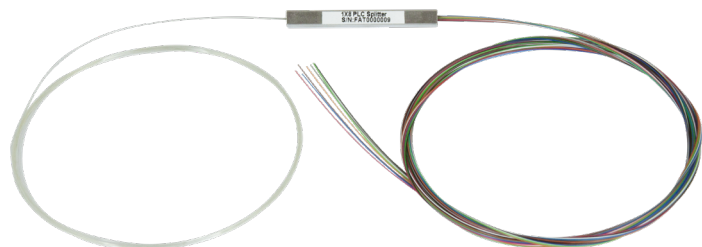
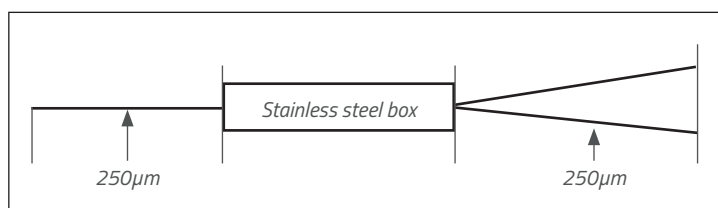


# PLC SPLITTER SINGLEMODE 1XN Ø 250µm



The Telenco® singlemode PLC splitters are the main components of FTTx/PON (Passive Optical Network) and CATV (Community Antenna Television). They are easy to install on splice trays, in optical patch panels or inside splice protection boxes. They are used to divide an optical signal at the splitter's input towards several fibres, at the splitter's output.



## FEATURES & BENEFITS

- Compact and rugged construction
- Excellent optical performances
- Wide range offering multiple solutions
- 100% configurable inputs and outputs

## AVAILABLE CONFIGURATIONS

PARAMETERS	CONFIGURATIONS
Available connectors	Input: Bare (connectorized version upon request) Output: Bare (connectorized version upon request)
Colours	Input: White Output: ISO colour code
Fiber type	G.657A2
Length	Input and output: 0.5 to 3 m
Diameter	Ø 250 µm
Splitting ratio	1x2 ; 1x4 ; 1x8 ; 1x16 ; 1x32 ; 1x64 ; 1x128

## TECHNICAL SPECIFICATION

PARAMETERS	SPECIFICATIONS
IEC-61300	100% compliant
Box material	Stainless steel

## TECHNICAL SPECIFICATION

PARAMETERS	SPECIFICATIONS						
	1x2	1x4	1x8	1x16	1x32	1x64	1x128
Splitting ratio	1x2	1x4	1x8	1x16	1x32	1x64	1x128
Box dimensions L x W x H (mm)	40x4x4		50x4x4		50x7x4	60x12x4	
Operating wavelength	1260 nm to 1660 nm						
Insertion Loss IL (dB)	≤ 3.8	≤ 7.1	≤ 10.4	≤ 13.7	≤ 17.0	≤ 20.3	≤ 22.7
Return Loss RL (dB)	≥ 55						
Polarization Dependent Loss PDL (dB)	≤ 0.2	≤ 0.2	≤ 0.3	≤ 0.3	≤ 0.4	≤ 0.4	≤ 0.5
Uniformity (dB)	≤ 0.5	≤ 0.9	≤ 1.3	≤ 1.7	≤ 2.1	≤ 2.5	≤ 2.5
Directivity (dB)	≥ 55						
Additional Insertion Loss per connector IL	Grade B ≤ 0.12 dB on average and ≤ 0.25 dB max for 97% of connections						
Connector return Loss RL	≥ 60 dB (APC) and ≥ 50 dB (UPC)						
Temperature	Operation, transport and storage: -40 °C / +85 °C						