

FEATURES:

- Low Insertion Loss
- Low Polarization Dependent Loss
- Exceptionally Stable and Reliable
- Telcordia GR-1221 Compliant
- Excellent Uniformity
- Compact

APPLICATIONS:

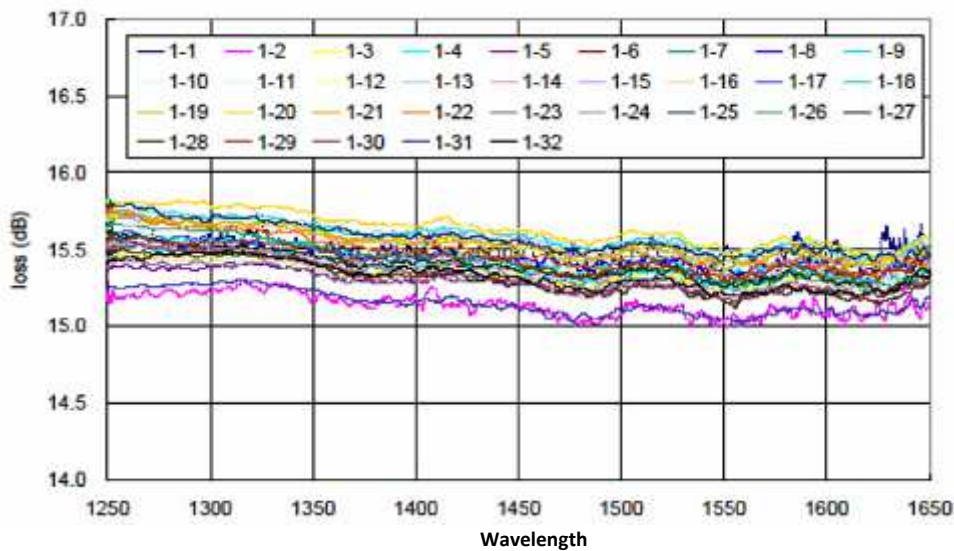
- B-PON/G-PON
- Fiber-to-the-Premise
- Fiber-to-the-Home



DESCRIPTION:

Go!Foton's PLC Splitters provide high performance with very low insertion loss, excellent uniformity and temperature stability, and low PDL. They are designed for demanding requirements over a wide operating wavelength range (1260 ~ 1650nm) and are GR-1209-CORE, GR-1221-CORE specification compliant. The splitters are pigtailed with Bend-Insensitive Single Mode fiber (Bend Radius 15mm) to achieve a robust, compact package that is durable for field handling. The splitters are available in 4, 8, 16, 32 and 64 channel configuration with a variety of connector choices.

Wavelength Spectrum:



SPECIFICATIONS:

The products supplied to this specification shall meet or exceed all the requirements specified herein.

OPTICAL CHARACTERISTICS

Parameter		Unit	1x2	1x4	1x8	1x12	1x16	1x24	1x32	1x64
Operating Wavelength		nm	1260~620							
Coupling Ration		-	Even							
Insertion Loss		dB	≤3.9	≤7.4	≤10.9	≤13.2	≤14.1	≤16.4	≤17.4	≤20.4
Uniformity		dB	≤0.8	≤1.0	≤1.0	≤1.0	≤1.0	≤1.4	≤1.4	≤1.7
Polarization Dependent Loss		dB	≤ 0.2		≤ 0.3					
Wavelength Dependent Loss		dB	≤ 0.3							
Optical Return Loss		dB	≥50							
Directivity		dB	≥50							
Optical Power Handling		mW	≤ 300							
Operating Temperature Range		°C	-40~85							
Storage Temperature Range		°C	-40~85							
Fiber Type		-	ITU G657A1 Compliant Single Mode Fiber, Ribbon							
Package Size	Mini/Blockless	mm	40x4x4				50x7x4		55x12x4	
	Box	mm	95x75x8				120x90x9		120x90x16	
	Enclosure	mm	158x130(118)x28.8(26.8)				158x130(118) x57.6(56.1)		1RU 482.6 (431.8) x257.0 x 43.7	

Notes:

1. All specifications include connector losses.
2. Uniformity is defined as loss difference between output ports.
3. Other package size available upon request.

Ribbon Fiber Color Code:


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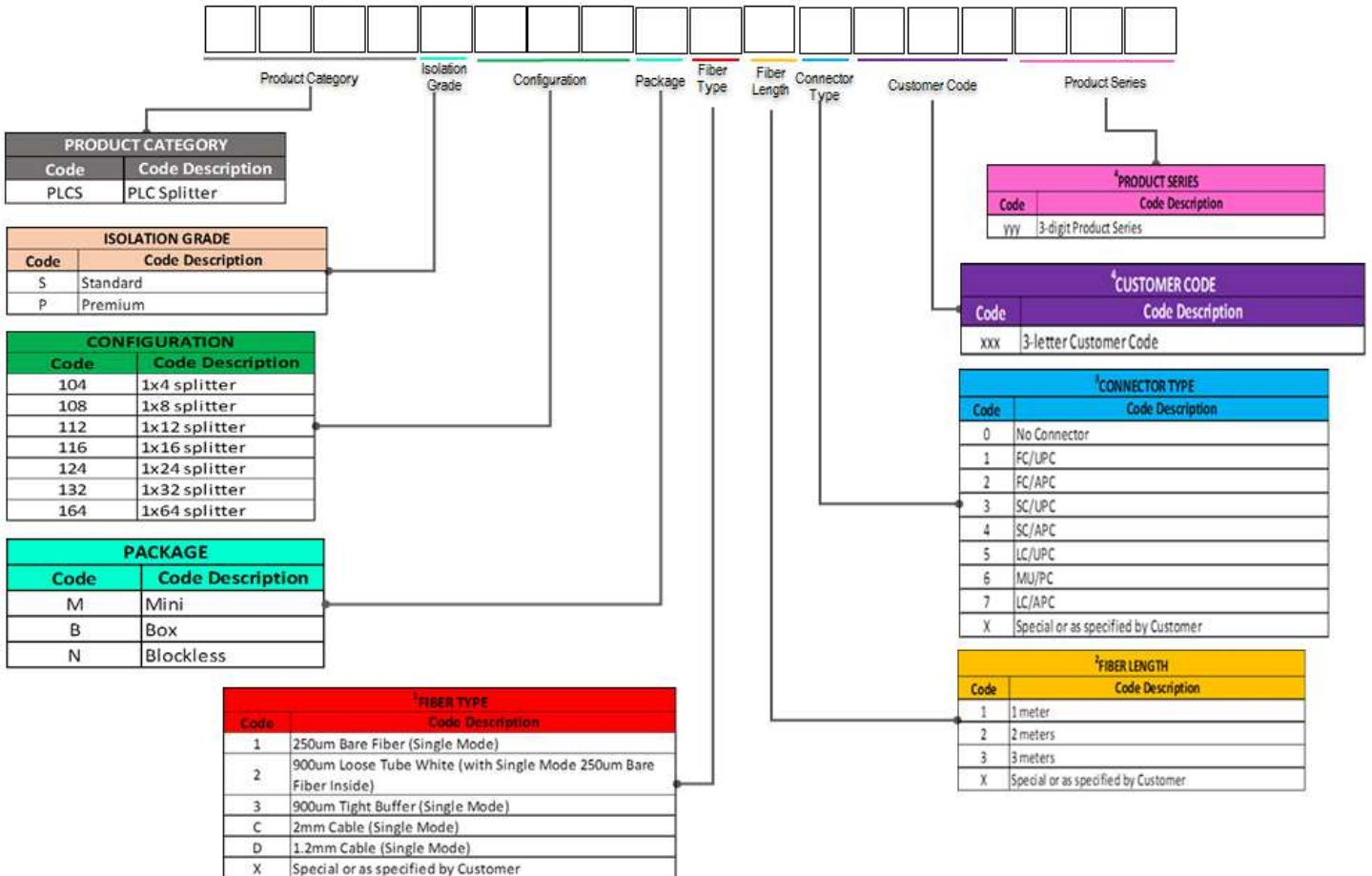


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Ordering Information:

PLC in Cassette



Notes:

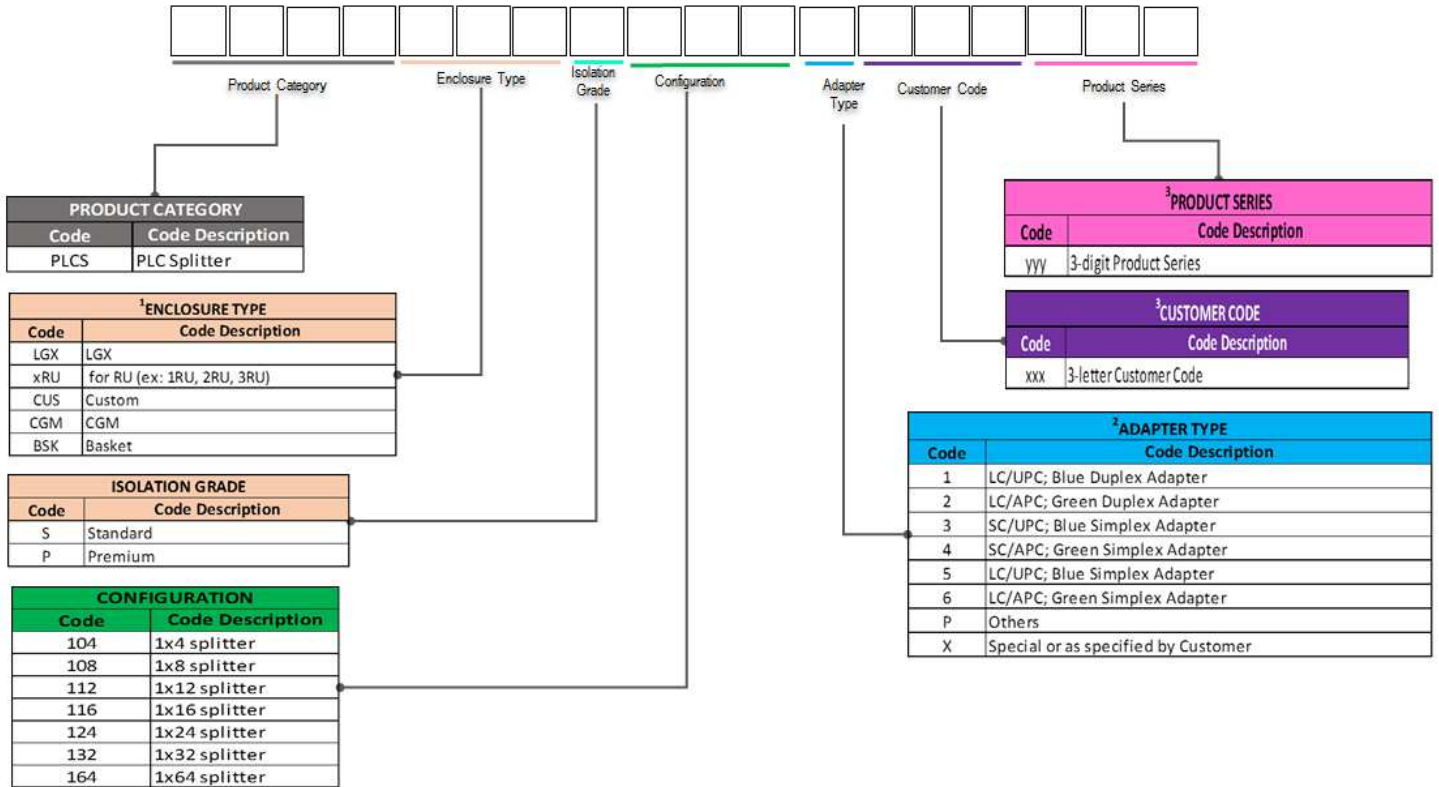
- ¹ Standard Fiber Type is ITU-T G657.A2/B2 and G652.D.
- ² Fiber Length tolerance is +/-0.1 meter.
- ³ All ports are with connector of the same type.
- ⁴ Only applicable for products which are not covered by the Standard Specification.

Example: PLCSS108M310

1X8 Standard PLC Splitter, Mini, 900um Tight Buffer, one (1) meter fiber length without connectors

Ordering Information:

PLC in Enclosure



Notes:

- ¹ Standard Package Size is 1 slot for 1x4 and 1x8, 2 slot for 1x16, 3 slot for 1x32
- ² All ports are with connector and adapter of the same type.
- ³ Only applicable for products which are not covered by the Standard Specification.

Example: PLCSLGXS1122

1X8 Standard PLC Splitter in LGX with LC/APC connectors and LC Green Duplex Adapters

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