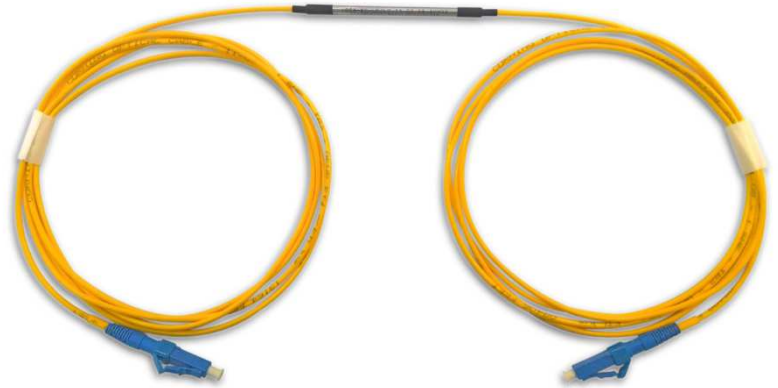


FEATURES:

- High Isolation
- Compact Package
- Low Insertion Loss
- Wide operation wavelength spectrum

APPLICATIONS:

- OTDR
- High Reflectance termination
- Continuity checking during installation
- Maintenance or troubleshooting



DESCRIPTION:

Go!Foton's In-Line Optic Filter Mirror Cable Assembly (IOCA) uses Thin Film Filter coating technology and Go!Foton's SELMUX patented technology to allow reflection of optical signal at the UL band. This product offers very wide operation spectrum bandwidth, high isolation and low insertion loss which is ideal for PON testing. The compact, cylindrical, and cabled connector jumper package allows it to be easily connected with ONT equipment port or inserted in between ONTs and OLTs.

SPECIFICATION:

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

A. OPTICAL AND ELECTRICAL CHARACTERISTICS

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION	
Operating Wavelength Range	nm	WL	All	1260~1675	
Pass Channel Wavelength Range	nm	Λ_P	COM \leftrightarrow P	1260~1618	
Reflection Channel Wavelength Range	nm	Λ_R	COM	1639~1675	
				Standard	Premium
Pass Channel Insertion Loss	dB	IL _P	COM \leftrightarrow P	≤1.0	≤1.0
Reflection Channel Insertion Loss	dB	IL _R	COM	≤1.5	≤1.5
Wavelength Dependent Loss	dB	WDL	All	≤0.5	≤0.5
Pass Channel Isolation	dB	ISO _P	COM \leftrightarrow P	≥40 @ Λ_R	≥55 @ Λ_R
Reflection Channel Isolation	dB	ISO _R	COM	≥20 @ Λ_P	≥40 @ Λ_P
Polarization Dependent Loss	dB	PDL	All	≤0.20	≤0.20
Maximum Optical Power Handling	mW	P	All	500	
Operating Temperature	°C	T _{OP}	All	-40~+85	
Operating Humidity Range (No Condensation)	%RH	RH	All	+5~+85	
Storage Temperature Range	°C	T _{ST}	All	-40~+85	

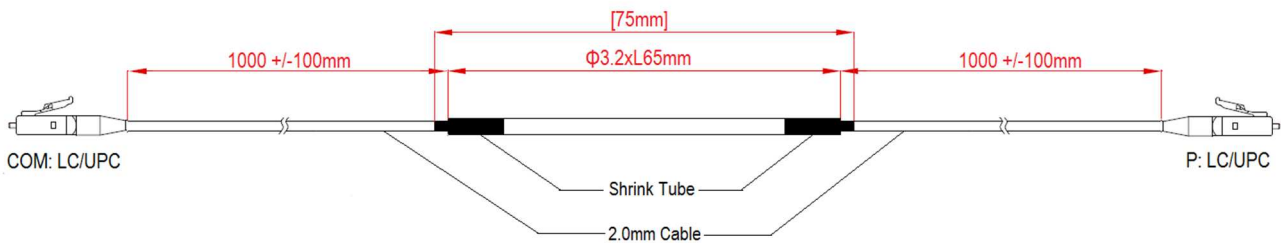
All specifications are with connectors.

B. MECHANICAL SPECIFICATIONS

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION
Fiber Type ¹	-	FT	All	ITU G657.A2/B2 and G652D Compliant Fiber
Fiber Length ²	mm	FL	All	1000 ± 100
Fiber Protection ³	-	FP	All	2mm Cable
Package Size (Cylindrical Metal Housing) ⁴	mm	PS	-	Φ3.2xL65[75]
Connector Type ⁵	-	CT	All	LC/PC

1/2/3/4/5-- See ordering information.

C. PACKAGE DIMENSIONS



Note: Sample Illustration only.

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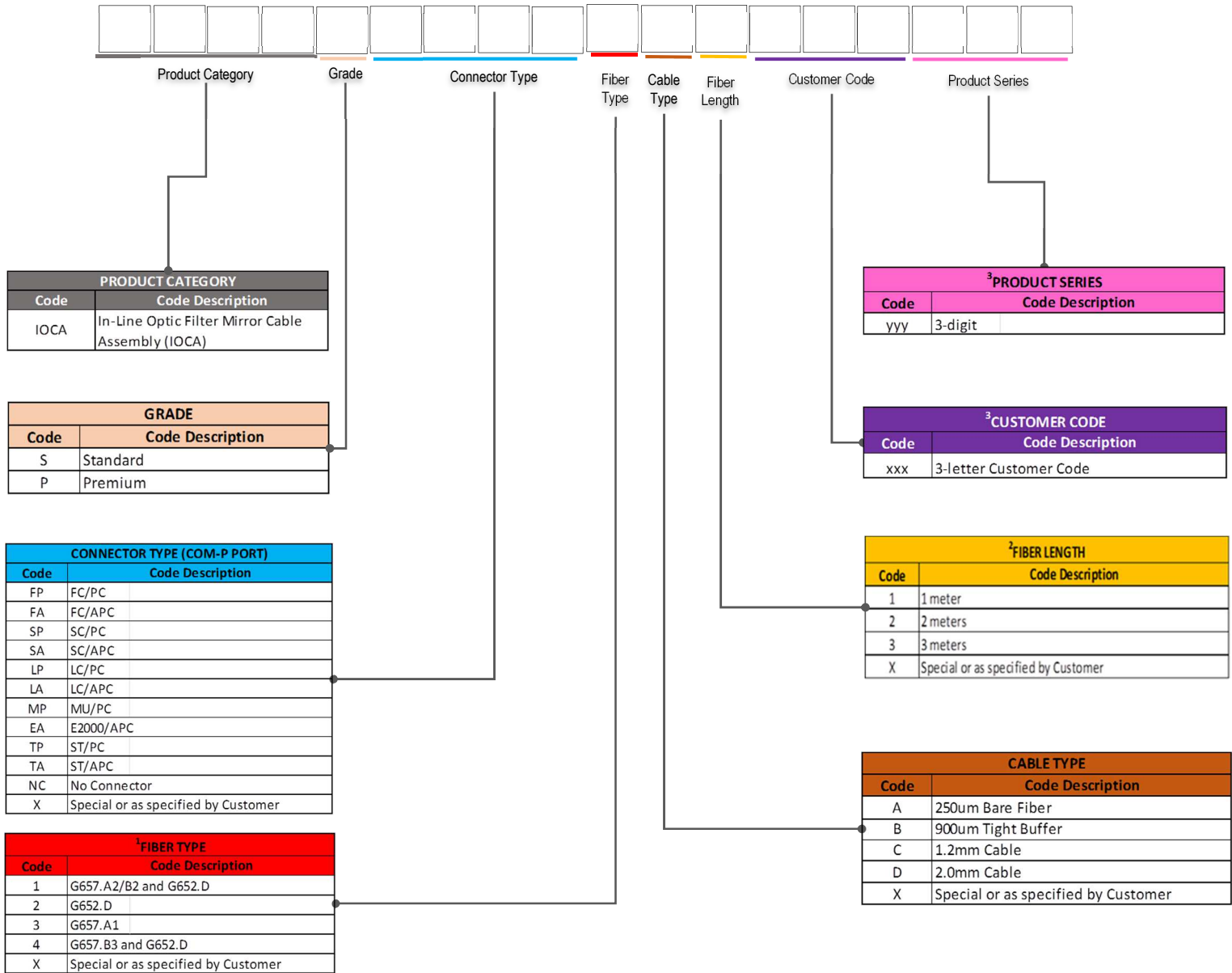
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ORDERING INFORMATION:



Notes:

- ¹ Standard Fiber Type is ITU-T G657.A2/B2 and G652.D.
- ¹ Standard Package Size is OD3.2mm x L65[75]mm.
- ² Fiber length tolerance is +/-0.1 meter.
- ³ Only applicable for products which are not covered by the Standard Specification

EXAMPLE: IOCAPLPLP1D1
 IOCA, Premium Grade, LC/PC Connector on COM and P Port, G657.A2/B2 and G652.D Compliant Fiber, 2mm Cable, 1 meter length.

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