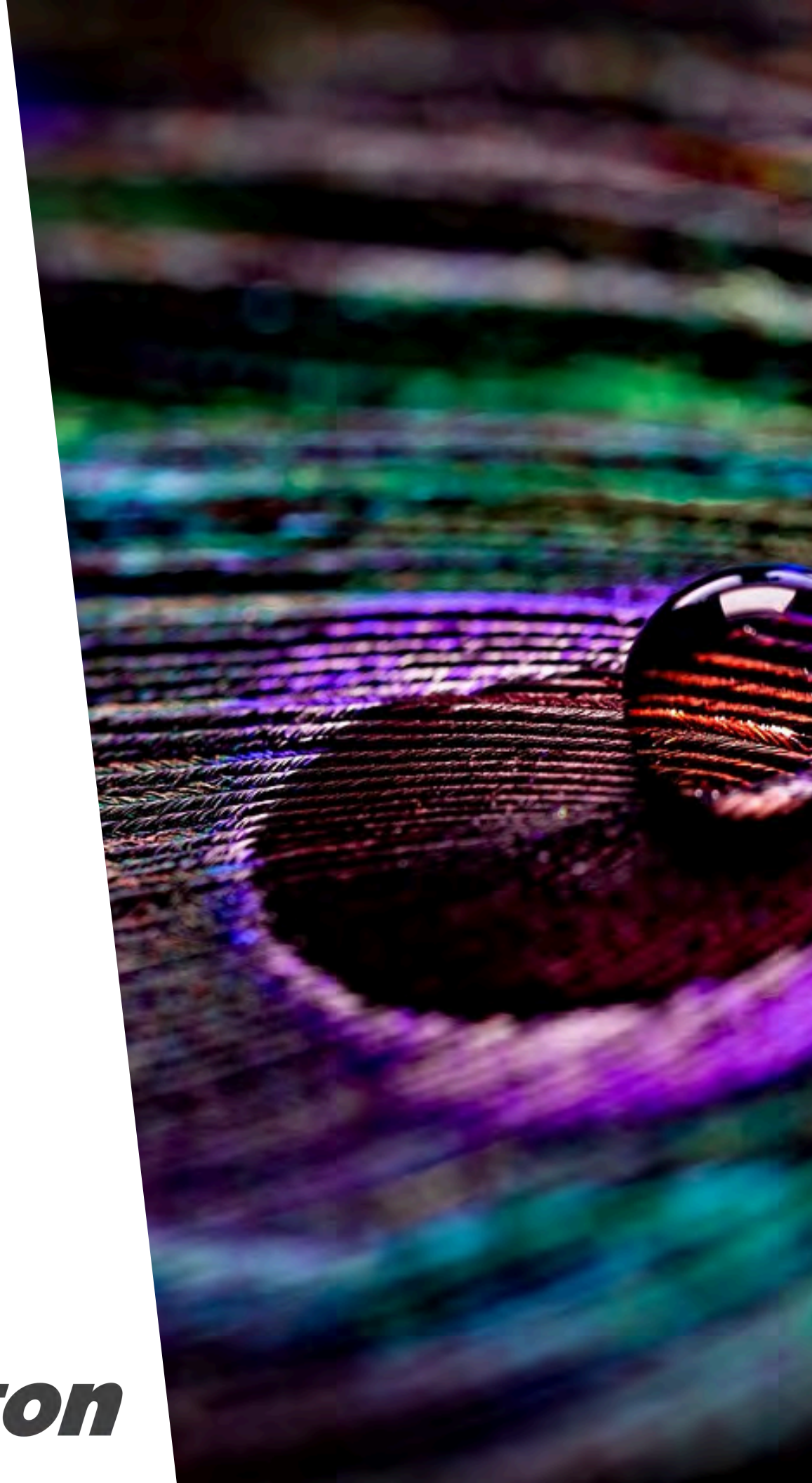
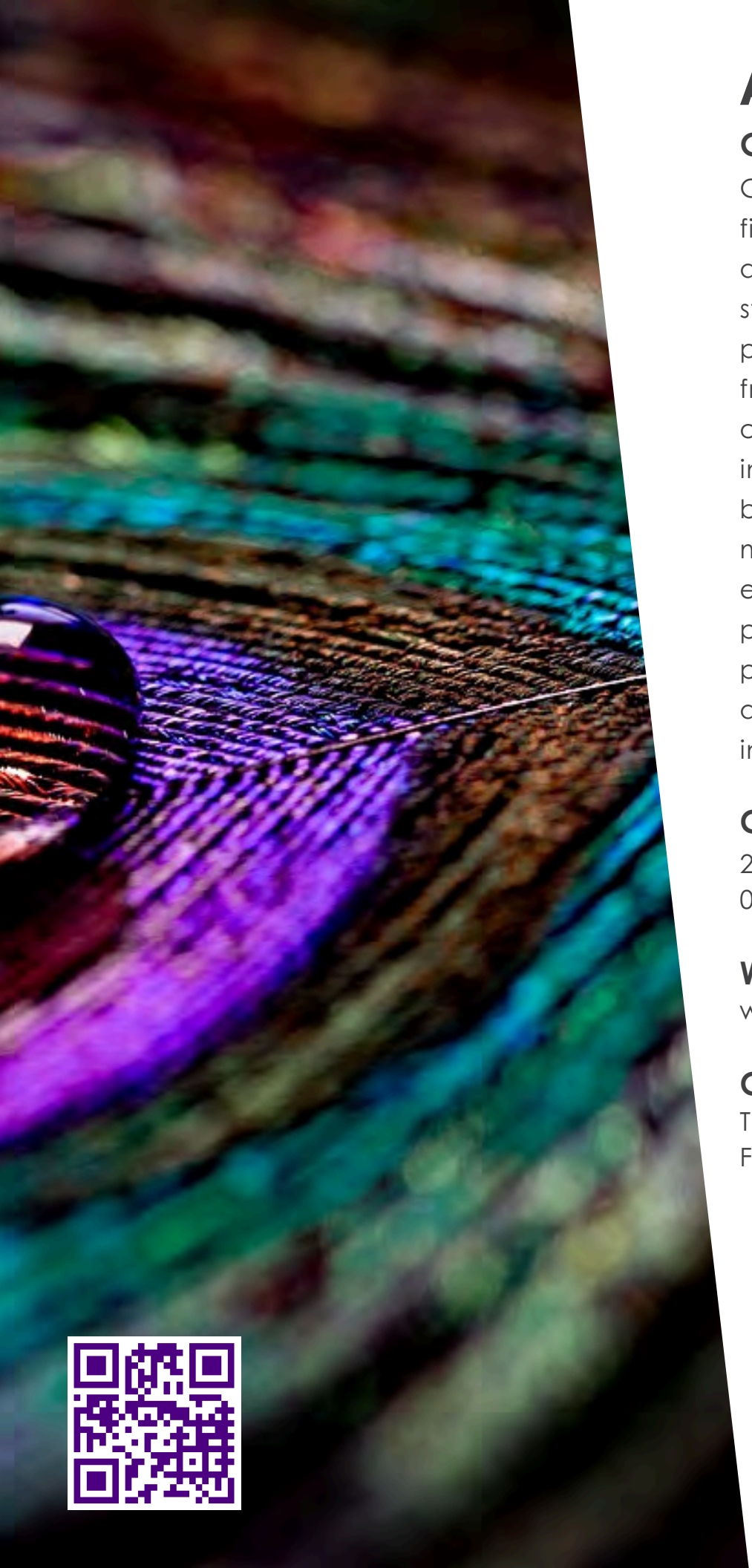
GoFoton

Innovator. Expert. Problem Solver.

PRODUCT CATALOG 2025



GoFoton



ABOUT

GO!FOTON CORPORATION

Go!Foton is a global supplier of fiber optic network hardware and cable assemblies with a strong presence in optics and photonics. Our growth comes from helping our customers create value with our innovative solutions. Go!Foton brings innovation to the global market with decades of expertise in optics and photonics — solving real-world problems for our customers with a scalable and customized integration approach.

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Table of Contents

High Density Fiber Management Solutions

PEACOC® High Density Fiber Management Platform 01
PEACOC® High Density Fiber Patch Panel 02
PEACOC® Wall Mount Bracket 08
PEACOC® 1/3 RU FIber Patch Panel 10
PEACOC® 3RU Splice Chassis 12
PEACOC® FleT Pre-configured Cassettes 14
PEACOC® EVA High Density Fiber Management Platform 22
PEACOC® 360 PANEL 27
PEACOC® NEMO Patch Panel 31
PEACOC® Fiber Distribution Frame (FDF) 34
PEACOC® Connector Label Clip 36
PEACOC® Storage Organizer for Cables (SOC) 38

OSP Fiber Management Solutions

Go!Foton's OSP Product Portfolio 40
PEACOC® Multiport Mid-Span Terminal (MMT) 42
PEACOC® 4-PORT MID-SPAN MULTIPORT TERMINAL 50
PEACOC® Clamshell Hardened Terminal (CHT) 53
PEACOC® Mid-Span Clamshell Hardened Terminal (M-CHT) 57
Clamshell Hardened Terminal Drop Cables 63
PEACOC® Compact OSP Terminal 12/24/32/48 Ports 67
PEACOC® Small Fiber Terminal 74
PEACOC® Small Terminal 360 80
Connect or Repair Enclosure (CORE) Kit 83

Indoor Living Unit Solutions

Fiber!Fast™ Indoor Living Unit (ILU)Solutions 85
Indoor Optical Outlet Box (NIU) 87

Terminated Fiber Cable Assemblies

Go!Foton Fiber Cable Assembly for Telecom, Datacenter, and other Applications 88
Connector Types Available 90
Cable Types Available 91
MPO/MTP® Jumper Assemblies 92
12F/24F MTP® Pro Jumpers and Field Tool 95
12F/16F/24F MPO Master Jumper 98
Fiber Loopbacks: MPO and LC 101
Fiber Fan-Out / Break-Out Cable Assemblies 103
Simplex and Duplex Patch Cords 106
CS and LC Uniboot Duplex Optical Jumpers 109
MDC Sr/Jr Duplex Optical Jumpers 111
Ruggedized MDU Drop Cable 114
Node Cable Fan-Out Assemblies 116
Launch Cable 118

Optical Signal Management Modules

1xN Planar Lightwave Circuit (PLC) Splitters 120
Engineered TAPs in Cassette 124
Multi-Channel CWDMs 128
Multi-Channel DWDMs 130
GPON/XGS-PON Coexistence Element 133

Thin-Film Filter Components

1x2 Single Channel CWDMs 136
1x2 Single Channel DWDMs 139
High Isolation Edge WDM (EWDM) for PON 142
Thin Film Filter 1x2 Tap Coupler Single Mode 144
Thin Film Filter 1x2 Tap Coupler Multimode 147
Thin-Film PM Tap Couplers 150
Gain Flattening Filter 152
In-Line Optic Filter Mirror Cable Assembly (IOCA) 154

Fused Biconical Taper (FBT) Coupler Components

Single Window Fused Tap Coupler 156
Dual Window Fused Tap Coupler 159
Wavelength Division Multiplexer (WDM) Fused Coupler 162

PEACOC® High Density Fiber Management Platform

Description

Go!Foton is proud to offer a remarkably new and innovative optical fiber patch panel for Telecom and Datacenter applications which require ultra high capacity and density. PEACOC® is Go!Foton's Platform with Enhanced Access for Compact Optical Connectors. It's a revolutionary technology platform that promises to enhance the way data center and telecom operators manage the increasingly complex world of optical connectivity. The Go!Foton PEACOC® technology platform features spreadable adapters which improves the speed and ease at which even "large hand" technicians can access small form factor optical connectors. Higher capacity fiber connectivity solutions give service providers greater flexibility while also allowing telecom and data center providers to manage the explosive growth in the number of fiber connections more efficiently and more cost effectively. With PEACOC® technology, each individual optical connection can be easily isolated from adjacent ports creating a generous region of unobstructed handling space for safe, fast, and error free management of optical fiber jumpers. Go!Foton's 1RU PEACOC® patch panel is fully compatible with existing 19" racks and cable management solutions. This makes PEACOC® an ideal solution for operators looking to integrate high density connectivity solutions into their existing rack environment or into compact OSP cabinets for true "pay-as-you-grow" convenience and cost efficiency.

For maximum port capacity and density, PEACOC® may be deployed using Go!Foton's integrated Fiber Distribution Frame which will allow up to 4320 total ports.

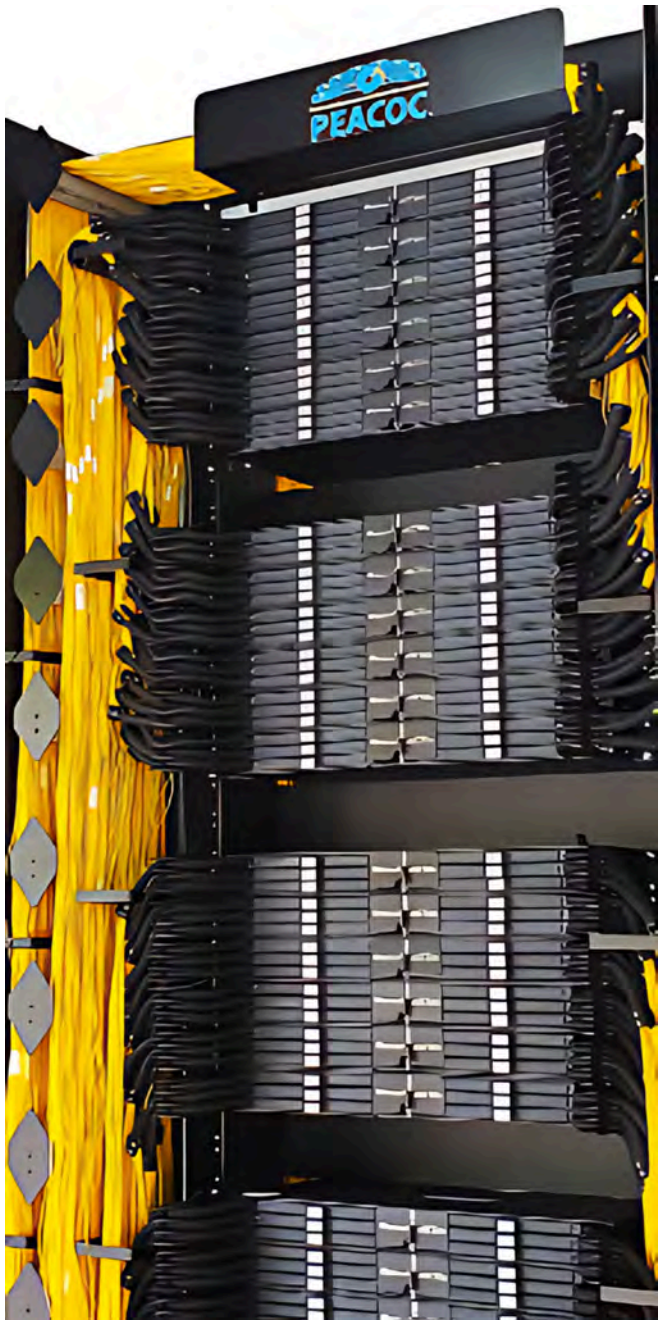
The optical port density can be increased even further with the use of smaller form factor connectors or by integrating multi-fiber push-on (MPO) connectors. The Go!Foton PEACOC® technology platform addresses the biggest limitation associated with the use of high density fiber connectivity solutions today, namely, the difficulty in accessing and handling the compact optical connectors while performing typical moves, adds, & changes (MAC). Designed for use with either single mode or multimode LC connectors, the PEACOC® platform is also available for use with SC connectors. Other available options include preterminated cables assemblies and cassettes containing splice trays which can be used in conjunction with PLC's or xWDM's. Finally, the enhanced fiber management systems can easily handle 1.2mm to 3.0mm fiber optic jumpers.

PEACOC® High Density Fiber Patch Panel

Description

PEACOC® is Go!Foton's **P**latform with **E**nhance **A**ccess for **C**ompact **O**ptical **C**onnectors. It is a revolutionary technology platform that transforms the way data center and telecom operators manage the increasingly complex world of optical connectivity. It is the only high density solution that provides easy access to both the front and back side connectors at the same time from the same side of the rack!

With PEACOC® spreadable adapter technology, each individual optical connection can be easily isolated from the adjacent ports creating a generous region of unobstructed handling for safe, fast and error free management of optical fiber jumpers. It's high density fiber management - **that works!**



PEACOC® fiber housings are available in 1RU, 2RU and 4RU sizes with densities up to 144, 288, and 576 fibers, respectively.

PEACOC® spreadable adapter technology enables easy connector access and fiber tracing in the highest fiber density environments. A craft friendly design even for large hand technicians.

PEACOC® trays not only allow access to the front and rear side of the connector at the same time, but they can be configured for all front access from the factory. The trays can be configured for patching, splicing, tapping, and can hold a number of PLC and WDM devices.

Fiber management arms and Go!Foton's SOC system provides a simple yet highly efficient way to organize the patch cords and fiber cable slack. The rear doors are uniquely designed to receive incoming cables at an angle to minimize bending.

PEACOC® housings are designed to adapt. The wall mount bracket is a space saving accessory used to flush mount equipment on the wall when there is no rack space and high fiber counts are needed.

Features

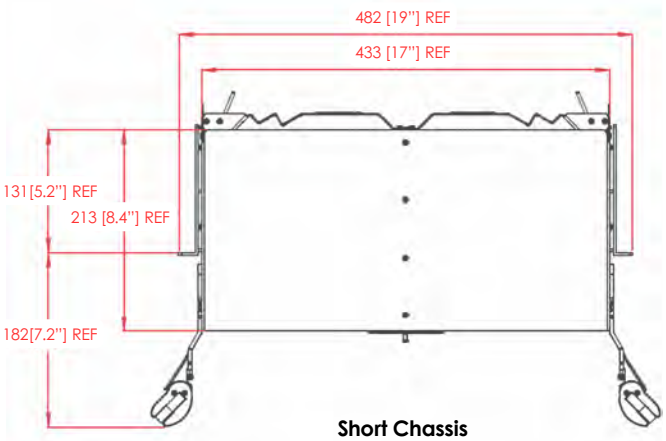
- Up to 144 LC connectors per 1RU
- PEACOC® spreadable adapter technology
- Supports SC, LC, MPO, and other small form factor connectors
- Modular cassettes configurable for patch,
- splice, PLC and xWDM applications
- Scalable in increments of 1RU, 2RU & 4RU
- 19"/23" rack mountable
- Wall mountable
- Pre-stubbed versions available
- Telcordia GR and TPR tested

Applications

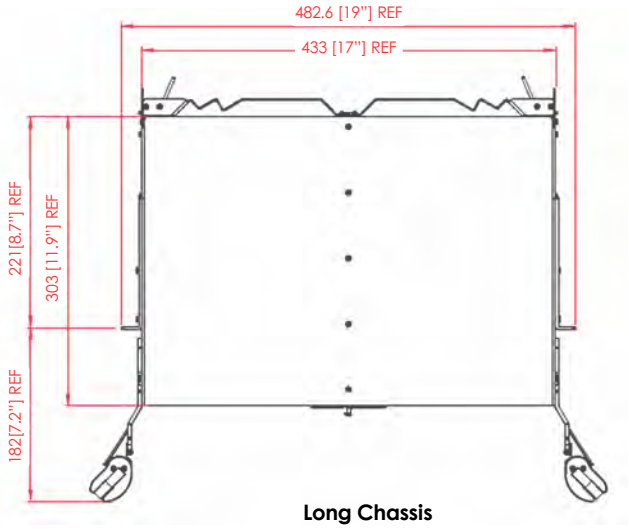
- Data Centers, Central Offices, Headends
- Fiber Management and Distribution Frames
- OSP Cabinets and Wireless C-RAN Sites

PARAMETER	PEACOC 1RU	PEACOC 2RU	PEACOC 4RU
Cassette Capacity	6	12	24
Adapter Density	Port/Fiber	Port/Fiber	Port/Fiber
SC	72/72	144/144	288/288
LC Simplex	144/144	288/288	576/576
LC Duplex	72/144	144/288	288/576
MPO (8F)	72/576	144/1,152	288/2,304
MPO (12F)	72/864	144/1,726	288/3,452
MPO (24F)	72/1,728	144/3456	288/6,912
MDC* (3 duplex adapter)	72/432	144/864	288/1,726
CS* (2 duplex adapter)	48/192	96/384	192/768
Mounting Positions	Standard, Flush, Recessed		
Fiber Type	G.657 A1 or A2; B2 or B3 (optional)		
Dimensions ** (W xDxH)	19 x 14 x 1.75 in	19 x 14 x 3.5 in	19 x 14 x 7.0 in
	483 x 356 x 44.5 mm	483 x 356 x 44.5 mm	483 x 356 x 44.5 mm
Weight lbs./kgs	12.3/5.6	24.7/11.2	37.0/16.8

** MDC, SN and CS are registered trademarks of USCONEC and SENKO respectively.*
*** Refer to specification sheets for information on various configurations.*



Short Chassis



Long Chassis

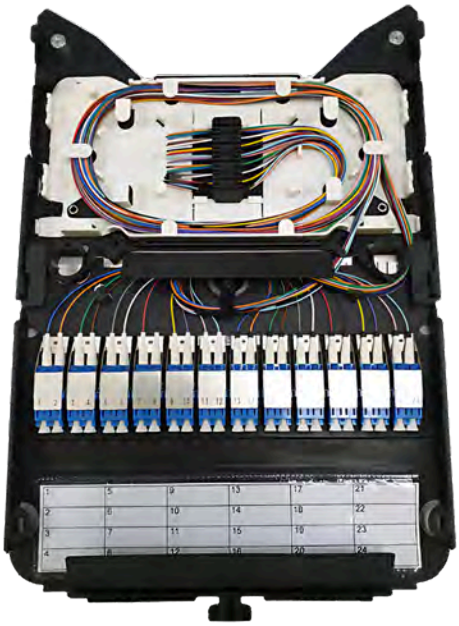
Normal Chassis Mount Position

Flushed to Front Chassis Mount Position

Recessed Chassis Mount Position

PEACOC® High Density Fiber Patch Panel
Cassette Options

Patch Cassette



Splice Cassette

Cassette with MDC Connector

Cassette with WDM and Tap

PEACOC® High Density Fiber Patch Panel
Cassette Options

MPO12 to 4 Duplex-LC

Dual MPO12 to 4 Duplex-LC

MPO24 to 4 Duplex-LC

MPO16 to 8 Duplex-LC

Ordering Guide

P | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

2 PEACOC Version

Code	Code Description
3S	V3 Short
3L	V3 Long
3E	V3 Short with Extension
3D	V3 Long with Deep Back Door

3 Panel / Tray Type

Code	Code Description
O	Chassis Only
P	Patch Panel
X	Cassette Tray Only
S	Patching Tray with Splicing
C	Custom Tray Configuration
L	Cassette Tray Only - Left Side
R	Cassette Tray Only - Right Side

4 Front Cable Sleeve Length (cm)

Code	Code Description
__	2 Digit Length
X	None

5 Rear Cable Sleeve Length (cm)

Code	Code Description
__	2 Digit Length
X	None

6 Cable Routing Direction

Code	Code Description
F	Front
R	Rear
X	None or N/A

7 Number of Trays

Code	Code Description
–	1 - 6 (Max of 6 Trays - Full Load)
X	None

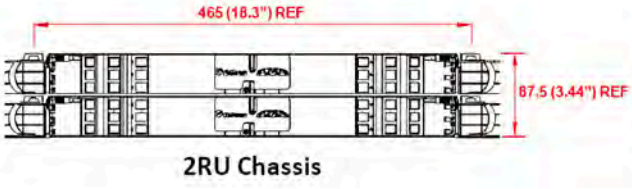
8 Connector / Adapter Type

Code	Code Description
1	LC-UPC / Blue Duplex Adapters
2	LC-APC / Green Duplex Adapters
3	SC-UPC / Blue Simplex Adapters
4	SC-APC / Green Simplex Adapters
5	LC-UPC / Blue Simplex Adapters
6	LC-APC / Green Simplex Adapters
7	MPO - Black Adapters
8	LC-PC / Aqua Duplex Adapters
9	SC-PC / Aqua Simplex Adapters

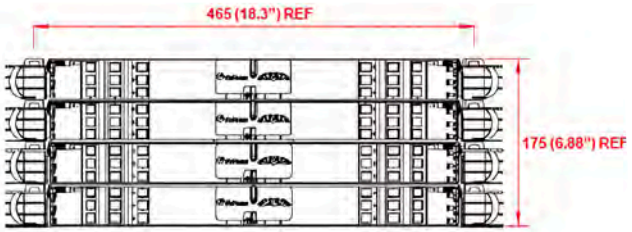
9 Inner Cable Options

Code	Code Description
C	1x24F Male MPO to LC Fan-outs SMF
D	2x12F Male MPO to LC Fan-outs SMF
E	3x8F Male MPO to LC Fan-outs SMF
F	1x12F Male MPO to SC Fan-outs SMF
H	2x8F Male MPO to SC Fan-outs OM4
J	1x12F Male MPO to LC Fan-outs SMF
K	1x12F Male MPO to LC Fan-outs OM4
N	Mass Fusion Splice
P	Single Splice or Other
R	2x8F Male MPO to LC Fan-outs SMF
S	2x8F Male MPO to LC Fan-outs OM4
T	1x24F Male MPO to LC Fan-outs OM4
U	2x12F Male MPO to LC Fan-outs OM4
V	3x8F Male MPO to LC Fan-outs OM4
W	1x12F Male MPO to SC Fan-outs OM4
X	None

For 2RU, 3RU and 4RU Configurations, please contact our Customer Sales Representative for Ordering Code



2RU Chassis



4RU Chassis

Example Order Code

Order Code: P3SP5050R61X

Description: Patch Panel, Short, 50cm Front & Rear Cable Sleeves, Fully Loaded (144F), LC-UPC Blue Duplex Adapters.

PEACOC® Wall Mount Bracket

Description

The Go!Foton PEACOC® Wall Mount Bracket is a space saving accessory used to flush mount equipment on the wall when there is no rack space and large fiber counts are needed.

Features

- Mounts a fully loaded PEACOC Patch Panel
- Spring loaded detent in stowed position
- Occupies only 2.4“ depth (1RU) or 3.7“ depth (2RU) in the stored position
- Wall mounting template included

Benefits

- Use in confined space or when no rack space is available
- High Density: 144F in 1RU & 288F in 2RU
- Compatible with all PEACOC cassettes
- Universal Mounting: no rack, frame, or cabinet is needed

Applications

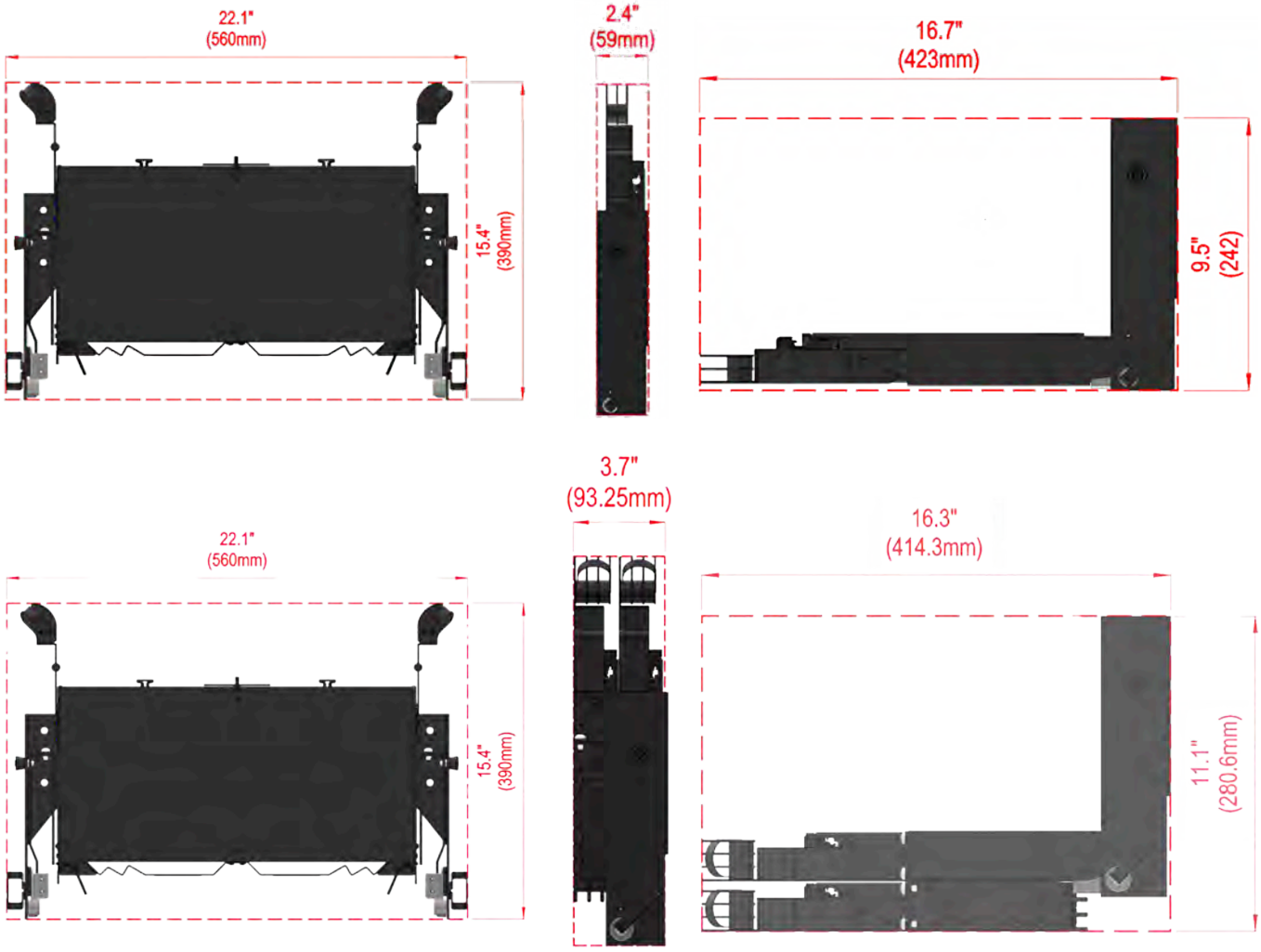
- Use in confined space or when no rack space is available
- High Density: 144F in 1RU & 288F in 2RU
- Compatible with all PEACOC cassettes
- Universal Mounting: no rack, frame, or cabinet is needed

Specifications

PARAMETER	SPECIFICATION
Access Direction	Front
Panel Height	1RU & 2RU
Dimensions (stored position)	560mm x 390mm x 59mm (1RU) 560mm x 390mm x 94mm (2RU)
Total Weight	2.0 kgs (4.4 lbs)
Mounting Option	6mm anchor bolt (1RU) 8mm anchor bolt (2RU)
Mounting Width Flexibility	19“ & 23“ Standard

**PEACOC panel sold separately*

Product Dimensions



Ordering Guide

P | 2 | 3 | 4

2 Accessories

Code	Code Description
WMB	Wall Mount Bracket

3 Capacity

Code	Code Description
1	1RU
2	2RU

4 Color

Code	Code Description
B	Black

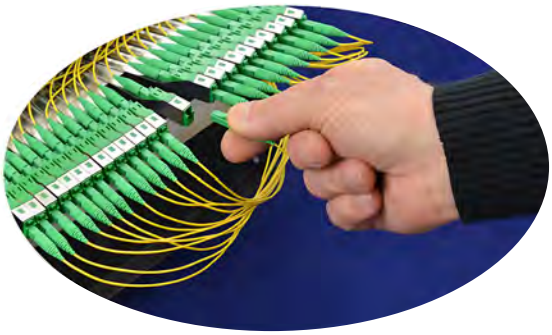
DESCRIPTION	GO!FOTON MPN	APPLICATION
PEACOC Wall Mount 1RU Black	PWMB1B	Mounting for one PEACOC 1RU Patch Panel
PEACOC Wall Mount 2RU Black	PWMB2B	Mounting for up to two PEACOC 1RU Patch Panel

PEACOC® 1/3 RU Fiber Patch Panel

Description

The Go!Foton PEACOC® "⅓ RU" Patch Panel is a extremely thin version of patch panel for high-density fiber management applications where rack space is limited and only a few ports (up to 48 LC) are required. It's high density fiber management – **that works!**

Features



- High Density: 48 LC ports in 15mm rack space
- Easy Access: Employs PEACOC spreadable adapter technology
- Space Saving: Only needs ⅓ RU rack space
- Mounting: 19" rack, frame, or bay
- Compatibility: Accepts 1 or 2 standard PEACOC patch panel cassettes
- Accessibility: Access to both front & rear side connectors from the front of the panel

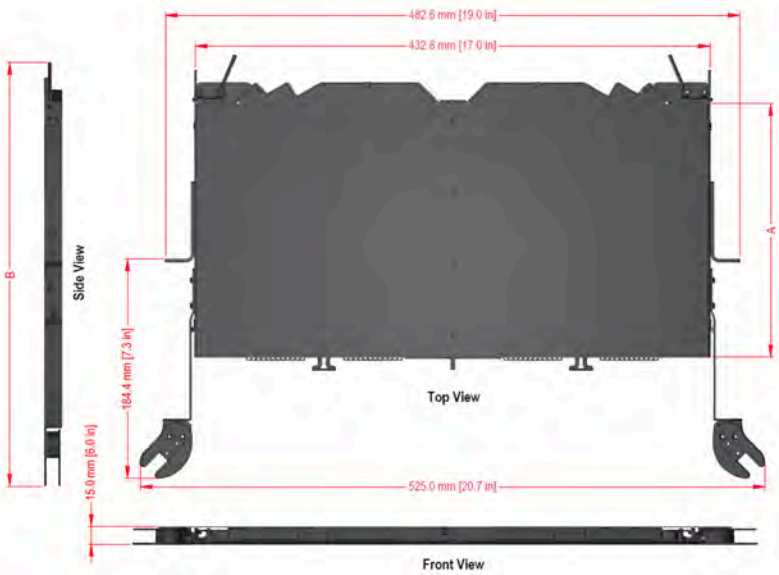
Applications

- 10G/100G Networks and beyond
- Telecommunication and Wireless Networks
- Data Center Networks
- Small Cell and C-RAN sites
- Telecom/Datacom rooms and closets
- Outdoor Cabinets, Vaults, and Huts

Specifications

PARAMETER	SPECIFICATION
Max Number Ports	48 LC / 24 SC
Accessibility	Tool-less access to individual simplex and duplex connectors
Access Direction	Front access to both front & rear side connectors
Fiber Routing	Front Only; Front and Rear; Rear MPO/Front Patch; Rear Pigtail/Front Patch / Rear Pigtail-Front Patch /Front Only (with optical component FleT)
Height	0.6" / 15mm (~⅓RU)
Width	19" rack (default) ; 23" rack standard (optional)
Depth	~8.5" / ~12.0" (see PEACOC "⅓ RU" Patch Panel Dimensions), varies by option

Product Dimensions



	V3 1/3RU Short	V3 1/3RU Long
A	213.0mm [8.4 in]	303.0mm [11.9 in]
B	355.0mm [14.0 in]	445.0mm [17.5 in]

Ordering Guide

P | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

2 PEACOC Version

Code	Code Description
3T	V3 1/3 RU Short
3W	V3 1/3 RU Long

3 Chassis / Tray Type

Code	Code Description
O	Chassis (empty)
P	Patch Panel

4 Front Cable Sleeve Length (cm)

Code	Code Description
__	2 Digit Length
X	None

5 Rear Cable Sleeve Length (cm)

Code	Code Description
__	2 Digit Length
X	None

6 Cable Routing Direction

Code	Code Description
F	Front
R	Rear
X	None

7 Number of Trays

Code	Code Description
-	1 - 2 (Max of 2 Trays - Full Load)
X	None

8 Connector / Adapter Type

Code	Code Description
1	LC-UPC / Blue Duplex Adapters
2	LC-APC / Green Duplex Adapters
3	SC-UPC / Blue Simplex Adapters
4	SC-APC / Green Simplex Adapters
5	LC-UPC / Blue Simplex Adapters
6	LC-APC / Green Simplex Adapters
7	MPO - Black Adapters
8	LC-PC / Aqua Duplex Adapters
9	SC-PC / Aqua Simplex Adapters
A	CS Dual Adapters
B	MDC-APC 3-port Adapters
P	Others - Custom Configuration

9 Inner Cable Options

Code	Code Description
A	5m 12F 3.0mm OFNR SC Pigtail SMF
B	5m 24F 3.8mm OFNR LC Pigtail SMF
C	1x24F Male MPO to LC Fan-outs SMF
D	2x12F Male MPO to LC Fan-outs SMF
E	3x8F Male MPO to LC Fan-outs SMF
F	1x12F Male MPO to SC Fan-outs SMF
G	5m 12F 3.0mm OFNR SC Pigtail OM3
H	5m 24F 3.8mm OFNR LC Pigtail OM3
J	1x24F Male MPO to LC Fan-outs OM3
K	2x12F Male MPO to LC Fan-outs OM3
L	3x8F Male MPO to LC Fan-outs OM3
M	1x12F Male MPO to SC Fan-outs OM3
N	Mass Fusion Splice
P	Single Splice or Other
R	2x8F Male MPO to LC Fan-outs SMF
S	2x8F Male MPO to LC Fan-outs OM4
T	1x24F Male MPO to LC Fan-outs OM4
U	2x12F Male MPO to LC Fan-outs OM4
V	3x8F Male MPO to LC Fan-outs OM4
W	1x12F Male MPO to SC Fan-outs OM4
Y	1x16F Male MPO to LC Fan-outs SMF
Z	1x16F Male MPO to LC Fan-outs OM4
X	None

Example Order Code

P3TO – PEACOC V3 ⅓ RU Short Panel, Empty Chassis

P3T5050R21X – PEACOC V3 (⅓ RU), 50mm Front and Rear Cable Sleeves, Rear Cable Routing, 2 Cassettes (fully loaded), LC/UPC Duplex Adapters

PEACOC® 3RU Splice Chassis

Description

The Go!Foton PEACOC® 3RU Splice Chassis is a high density rack-mount splice enclosure that securely stores & manages fiber splices for high density fiber distribution applications designed to accommodate up to 3 units of 144F fully loaded 1RU PEACOC® fiber patch panels with single fusion splices.

Features

- Up to432 x F2 ports
- Configurable for Pad, Wall, and Post Mounting
- IP65 Grade Protection
- LC Simplex Adapters / CS adapters
- Patented Spreadable Adapters
- 24 Vertical Splitter slots
- Accomodates 1x4, 1x8, 1x16, 1x32
- Fully Accessible from the Front Side
- 1M Patch Cords - No Messy Fiber Routing

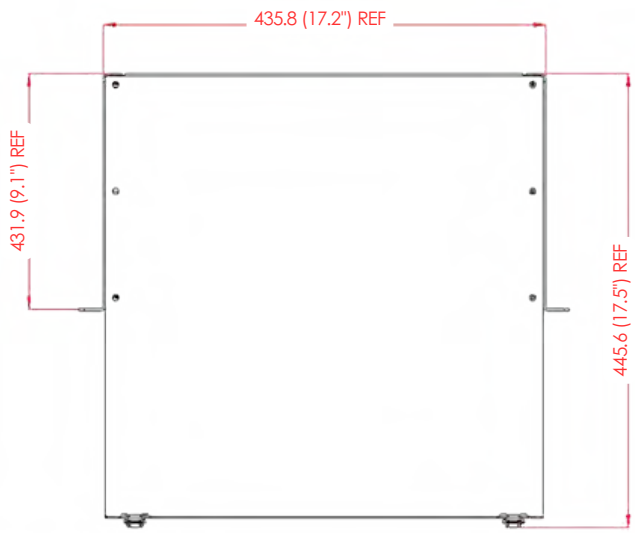
Specifications

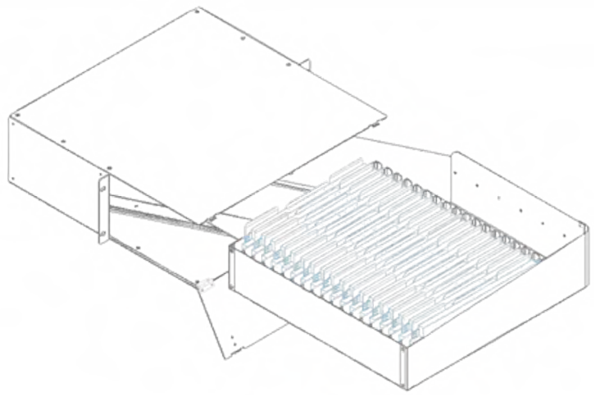
PARAMETER	SPECIFICATION
Access Direction	Front
Panel Height	1RU & 2RU
Dimensions (stored position)	560mm x 390mm x 59mm (1RU) 560mm x 390mm x 94mm (2RU)
Total Weight	2.0 kgs (4.4 lbs)
Mounting Option	6mm anchor bolt (1RU) 8mm anchor bolt (2RU)
Mounting Width Flexibility	19" & 23" Standard

Applications

- Network/Telecom closets
- C-RAN site (COs, huts, vaults, etc.)
- Telecommuncation Networks
- Data Communication Networks
- Optical System Access Networks
- Broadband / CATV Networks

Product Dimensions





Ordering Guide

P	2	3	4	5	6

2 Splice Chassis

Code	Code Description
S	Splice Chassis

3 Capacity

Code	Code Description
3	3RU

4 Tray Type

Code	Code Description
2	TE Connectivity Tray
3	AFL Tray
C	Custom Trays
O	Chassis Only

5 Splice Type

Code	Code Description
1	Single Fusion (24F per Tray)

6 Number of Trays Included

Code	Code Description
__	Number of Trays (2 Numeric)

Example Order Code

Order Code: PS32118

Description: 3RU Splice Chassis with 18TE trays installed, single fusion.

PEACOC® FleT Preconfigured Cassettes

Dense Wavelength Division Muliplexer (DWDM) 100GHz Spacing, Multi-Channel in PEACOC® Flexible Tray

Description

The Go!Foton PEACOC® Ultra High Density Fiber Management Platform has been awarded US Patent #8,939,792 for its unique and innovative approach to fiber management. PEACOC® is a fully integrated and modular technology platform which forms the foundation on which small form factor jumpers and a multitude of optical components can be easily incorporated and managed in an ultra-high-density rack system. Now, with release of the newest PEACOC® V3.0 chassis, the same award winning PEACOC® technology is now available in modular form with the introduction of the value-added PEACOC® FleT – a Flexible Tray configuration which gives PEACOC® users the complete control to reconfigure the 1RU PEACOC® chassis in the field.

The PEACOC® FleT is a highly flexible, cassette-based design which may be ordered preconfigured or reconfigured in the field at any time, to support a variety of fiber patching and splicing applications. In addition, the FleT enhancement to PEACOC® allows users to field-install, manage and reconfigure integrated optical components such as tap splitters, PLC splitters and xWDM filter modules.

Go!Foton's DWDMs, are based on NSG's patent pending technology. This technology puts Go!Foton as one of only a few companies with a unique process for tuning the center wavelength in the DWDM spectrum. Based on NSG's unique SELFOC technology, the process eliminates the severe manufacturing burdens placed on the thin film filter, thus simplifying center wavelength tolerances and reducing cost. Go!Foton's SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6.

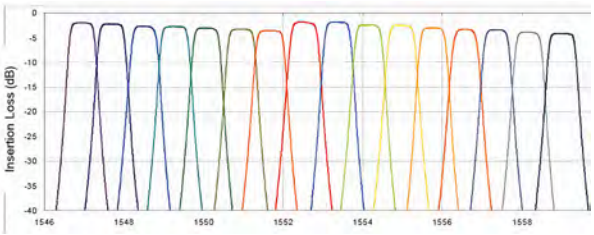
Features

- Patented accessibility; easy, fast and accurate
- Up to 24 simplex LC connectors per tray or 12 SC Simplex Connector
- Low Insertion Loss
- Low Polarization Dependent Loss
- Telcordia GR-1221 Compliant
- High Channel Isolation
- Flat and Wide Passband
- Exceptionally Stable and Reliable
- Epoxy-Free Optical Path
- RoHS 6/6 Compliant

Applications

- Dense WDM Systems
- Long Haul Networks
- Data Center
- Telecom Central Office
- CATV Headend + OSP Cabinets

Wavelength Spectrum



Optical Characteristics

Parameter		Unit	2	4	8	12	16	20
Operating Wavelength		nm	ITU					
Channel Spacing		GHz	100					
Center Wavelength		nm	ITU					
Upgrade Port Wavelength Range (Option)		nm	1260~1520 and 1570~1635					
Express Port Wavelength Range (Option)		nm	Remaining Channel of ITU 16 to 63					
Passband Band Width		nm	λc ± 0.11					
DWDM port Insertion Loss	(Prem)	dB	≤1.0	≤1.7	≤3.0	≤3.3	≤3.8	≤3.8
	(Std)	dB	≤1.5	≤2.2	≤3.4	≤3.6	≤4.0	≤4.3
Express Port Wavelength (option)	(Prem)	dB	≤1.5	≤2.0	≤3.0	≤3.0	≤3.0	≤3.0
	(Std)	dB	≤1.8	≤2.2	≤3.4	≤3.4	≤3.4	≤3.4
Upgrade Port Insertion Loss (option)		dB	≤1.5					
Passband Ripple		dB	≤0.5					
Adjacent Channel Isolation		dB	≥28					
Non-Adjacent Channel Isolation		dB	≥15 @ within 1260-1520nm		≥45 @ within 1520-1635nm			
Upgrade Port Isolation			≥12 @ 1520~1570					
Express port isolation			≥12 @ λc±0.11					
Polarization Dependent Loss		dB	≤0.2					
Optical Return Loss		dB	≥50					
Directivity		dB	≥50					
Optical Power Handling		mW	≤500					
Operating Temperature Range		°C	-40~85					
Storage Temperature Range		°C	-40~85					
Fiber Type		-	ITU G657A2, G657 B2 and G65D Compliant Single Mode Fiber					
Fiber Jacket		-	900um tight buffer					
Package Size		inch	12.4" L x 8.3" W x 0.5" H					
Number of Channels		-	Please see Table 1					
Accessibility		-	Refer to Ordering guide for connector options					
Chassis Requirement		-	Patch Panel 1RU Long Empty Please refer to page 04 for more details					

Notes:
1. All specifications are with fiber connectors.
2. Uniformity is defined as loss difference between output ports.
3. Other customize channels are also available per customer's request.

Number of channels per tray

Configurations	Max sets per tray	Total number of Ports
2 channels	4 sets per tray	24 Ports
4 channels	3 sets per tray	24 Ports
8 channels	2 sets per tray	24 Ports
12 channels	1 set per tray	16 Ports
16 channels	1 set per tray	20 Ports
20 channels	1 set per tray	24 Ports

** For Package Dimensions, see page 20.*
**For Ordering Guide, see page 17.*

PEACOC® FleT Preconfigured Cassettes

Planar Lightwave Splitter (PLC)

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 and are GR-1209-CORE, GR-1221-CORE specification compliant. The splitters are made with Bend-Insensitive Single Mode fiber to achieve a robust, compact package that is durable for field handling. The splitters are available in multiple channel configurations with a variety of connector choices.

Features

- Telcordia GR-1221 compliant
- Patented accessibility; easy, fast and accurate
- Low Insertion Loss
- Up to 24 simplex LC connectors per tray or 12 SC Simplex connector
- Excellent Uniformity
- Low PDL
- Exceptionally stable and reliable

Applications

- B-PON / G-PON
- Fiber-to-the-Premise
- Fiber-to-the-Home
- Data Center
- Telecom Central Office
- CATV Headend
- OSP Cabinets

Optical Characteristics

Parameter	Unit	1x2	1x4	1x8	1x12	1x16	1x24	1x32	1x64
Operating Wavelength	nm	1260~620							
Insertion Loss	dB	≤3.9	≤7.4	≤10.9	≤13.2	≤14.1	≤16.4	≤20.4	≤17.4
Uniformity	dB	≤0.8	≤1.0	≤1.0	≤1.0	≤1.0	≤1.4	≤1.7	≤1.4
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 G657A2Compliant Single Mode Fiber, Ribbon							

Notes:

1. All specifications are with fiber connectors.

2. Uniformity is defined as loss difference between output ports (ie. between O1 and O2 for 1x2 splitter).

3. Custom configuration is also available (ie., 1x2 and 1x4 in one tray) per customer's request.

Ordering Guide

FleT (DWDM)

F | 2 | 3 | 4 | 5 | 6 | 7

1 Product Family Code

Code	Code Description
F	Flexible Tray

2 Tray Configuration

Code	Code Description
X	V3.0, any tray
L	V3.0, fully loaded
1	V3.0, 1 tray
2	V3.0, 2 trays
3	V3.0, 3 trays
4	V3.0, 4 trays
5	V3.0, 5 trays

3 Sub Family

Code	Code Description
D	100GHz (DWDM)

4 Module Configuration

Code	Code Description
1S	4CH Standard
1P	4CH Premium
2S	8CH Standard
2P	8CH Premium
3S	16CH Standard
3P	16CH Premium
4S	20CH Standard
4P	20CH Premium
09	For custom other no. of channel count

5 Shortest Channel

Code	Code Description
CXX	xx is for Shortest Channel (ie. 25 - C25)

6 Longest Channel

Code	Code Description
CXX	xx is for Longest Channel (ie. 39 - C39)

7 Connector/Adapter Type

Code	Code Description
1	LC/UPC; Blue Duplex Adapter
2	LC/APC; Green Duplex Adapter
3	SC/UPC; Blue Simplex Adapter
4	SC/APC; Green Simplex Adapter
5	LC/UPC; Blue Simplex Adapter
6	LC/APC; Green Simplex Adapter
P	Others

FleT (PLC)

F | 2 | 3 | 4 | 5 | 6 | 7

1 Product Family Code

Code	Code Description
F	Flexible Tray

2 Cassette Configuration

Code	Code Description
X	Cassette only
1	1 Cassette installed in chassis
2	2 Cassettes installed in chassis
3	3 Cassettes installed in chassis
4	4 Cassettes installed in chassis
5	5 Cassettes installed in chassis
L	6 Cassettes installed in chassis (Fully loaded chassis)
E	Extended chassis for 1x32 splitters and greater

3 Family Type

Code	Code Description
S	Splitter

4 Number of Inputs

Code	Code Description
A	One Input Fiber (N)

5 Split Ratio

Code	Code Description
002	N X 2
004	N X 4
008	N X 8
012	N X 12
016	N X 16
032	N X 32
064	N X 64
128	N X 128

6 Connector/Adapter Type

Code	Code Description
SLA	Simplex LC Angle Polish
SLU	Simplex LC Ultra Polish
SSA	Simplex SC Angle Polish
SSU	Simplex SC Ultra Polish
MDA	Mini Duplex Angle Polish
MDU	Mini Duplex Ultra Polish
DLA	Duplex LC Angle Polish
DLU	Duplex LC Ultra Polish

7 Number of PLCs per Cassette

Code	Code Description
1	1 PLC Device
2	2 PLC Devices
3	3 PLC Devices
4	4 PLC Devices
5	5 PLC Devices
6	6 PLC Devices
7	7 PLC Devices
8	8 PLC Devices

Example Order Code

Order Code: FXSA008SLA2
Description: FLET 1X8 SPLITTER 2 PLC Devices LC/APC SIMPLEX

Order Code: FLSA016SSU1
Description: FLET 1X16 SPLITTER1PLC Device SC/UPC SIMPLEX FULLY LOADED

PEACOC® FleT Preconfigured Cassettes

TFF Tap Monitoring in PEACOC® Flexible Tray (FleT)

Description

Go!Foton's Full band wavelength TFF Tap Monitors can be used to split light from one fiber to two fibers or to combine light from two fibers to one and provide high performance across a broad wavelength. These devices are ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability.

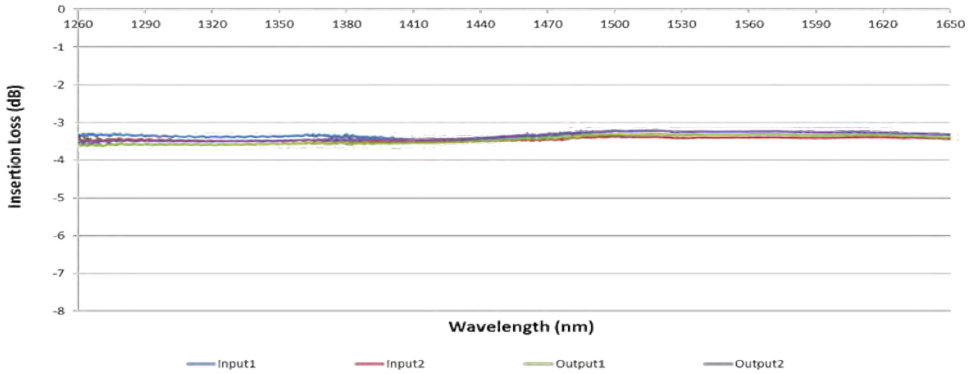
Features

- Patented accessibility; easy, fast and accurate
- Up to 24 simplex LC connectors or 12 SC Simplex Connectors and up to 72 ports for 12F MPO Connector per tray
- Low Insertion Loss
- Low Polarization Dependent Loss (Both Signal and Tap Ports)
- Telcordia GR-1221 Compliant
- Flat and Wide Passband
- Exceptionally Stable and Reliable
- Epoxy-Free Optical Path
- RoHS 6/6 Compliant

Applications

- Fiber Distribution
- Signal Monitoring
- Power Splitting
- Data Center
- Telecom Central Office

Wavelength Spectrum



Specifications

A. Optical Characteristics - Standard LC Tapping

Parameters	Unit	Specification		
Configuration	-	1x2 and 2x2		
Operating Wavelength	nm	1260 ~ 1625		
Top Ratio	%	90/10	70/30	50/50
Signal Insertion Loss[1]	dB	≤1.0	≤2.1	≤4.0
Top Insertion Loss[1]	dB	≤12.5	≤6.4	≤4.0
Optical Return Loss	dB	≥50		
Uniformity[2]	dB	≤1.0		
PDL	dB	≤0.20		
Directivity	dB	≥55		

Notes:
1. All specifications are without fiber connectors.
2. Uniformity is defined as loss difference between output ports (ie. between Tap ports; between Signal ports)

B. Optical Characteristics - MPO Tapping

Parameters	Unit	Specification			
Configuration	-	1x2 and 2x2			
Operating Wavelength	nm	1260 ~ 1625			
Tap Ratio	%	95/5	90/10	70/30	50/50
Signal Insertion Loss[1]	dB	≤0.6	≤1.3	≤2.4	≤4.3
Tap Insertion Loss[1]	dB	≤15.0	≤12.8	≤6.7	≤4.3
Optical Return Loss	dB	≥50			
PDL	dB	≤0.20			
Directivity	dB	≥55			

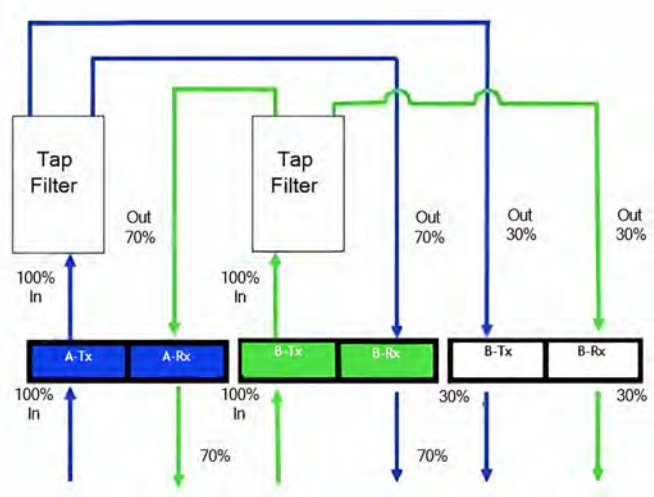
Notes:
1. All specifications are without fiber connectors.

C. Mechanical and Electrical Characteristics

Parameters	Unit	Specification
Optical Power Handling	mW	≤500
Operating Temperature Range	°C	-40~85
Storage Temperature Range	°C	-40~85
Fiber Type	-	ITU G657A2, G657 B2 and G65D Compliant Single Mode Fiber
Fiber Jacket	-	900um tight buffer - for LC Tapping 2mm Cable - for MPO Tapping
Package Size	inch	12.4" L x 8.3" W x 0.5" H
Accessibility	-	LC and MPO Connectors

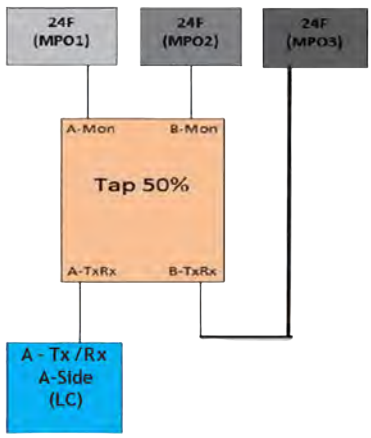
Table 1: Circuit Diagram

Standard LC Tap Monitor Cassette



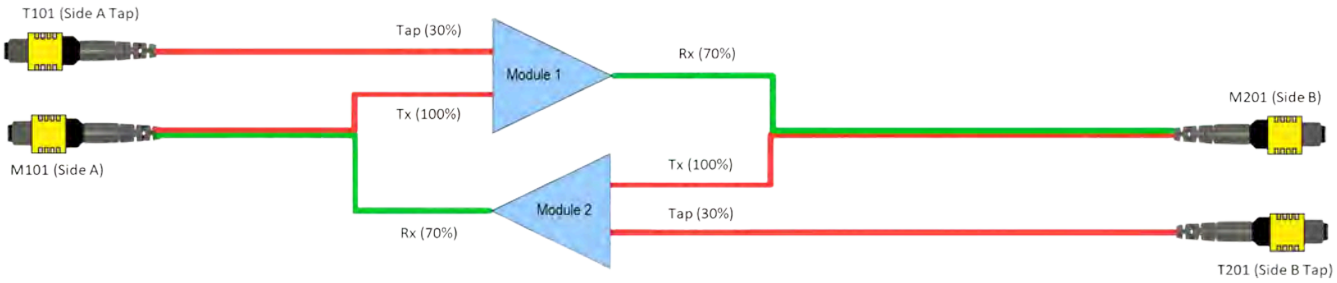
Note: 4 ckts per FleT tray with 24 ports

UniDi and BiDi LC/MPO Tapping Cassette



Note: 24 ckts per FleT tray with 96 ports

MPO Tapping Cassette

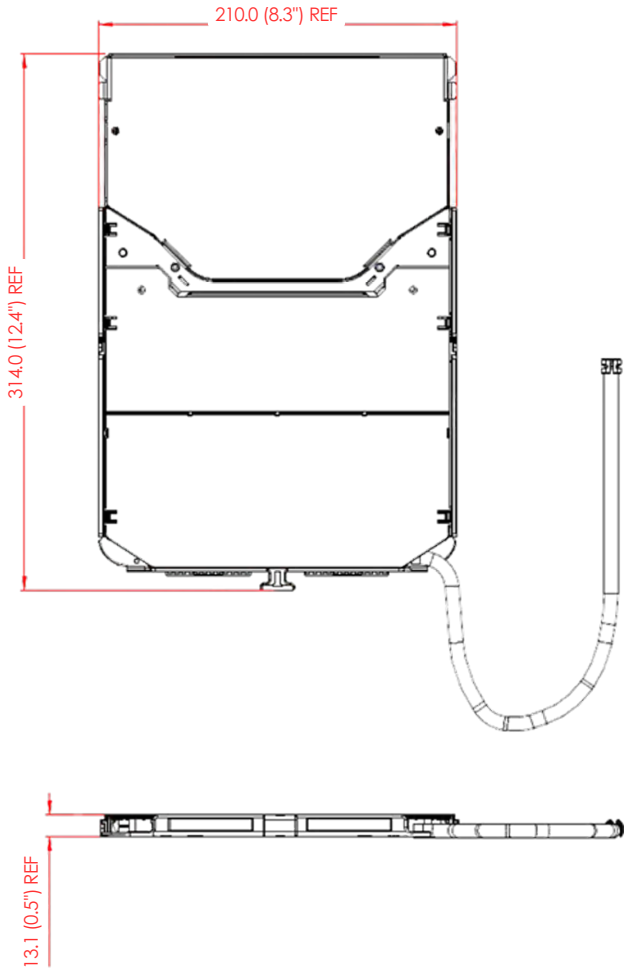


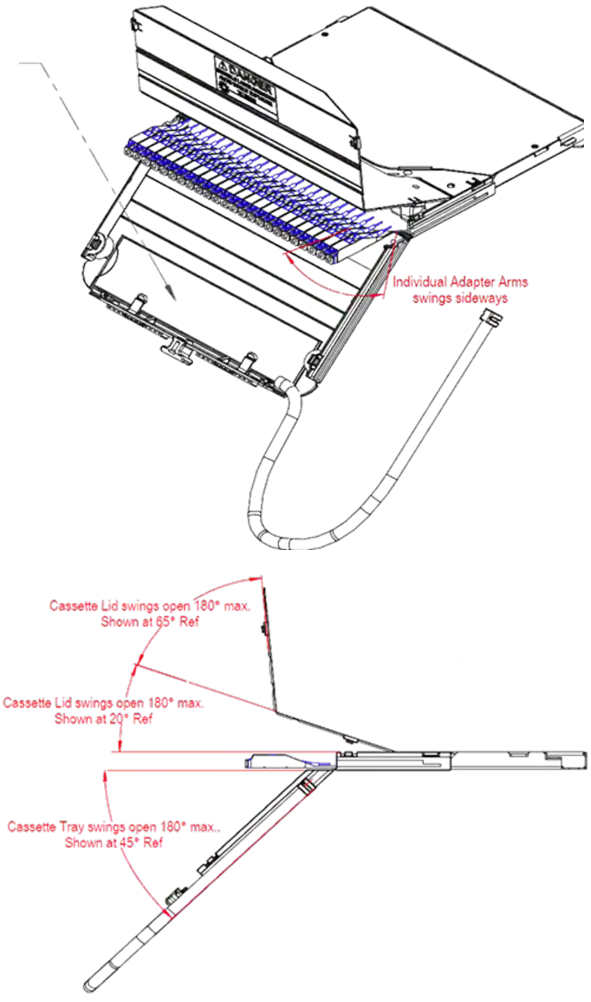
Note: 12 ckts per tray with 72 ports

Table 2: Number of Units/Circuits per Tray

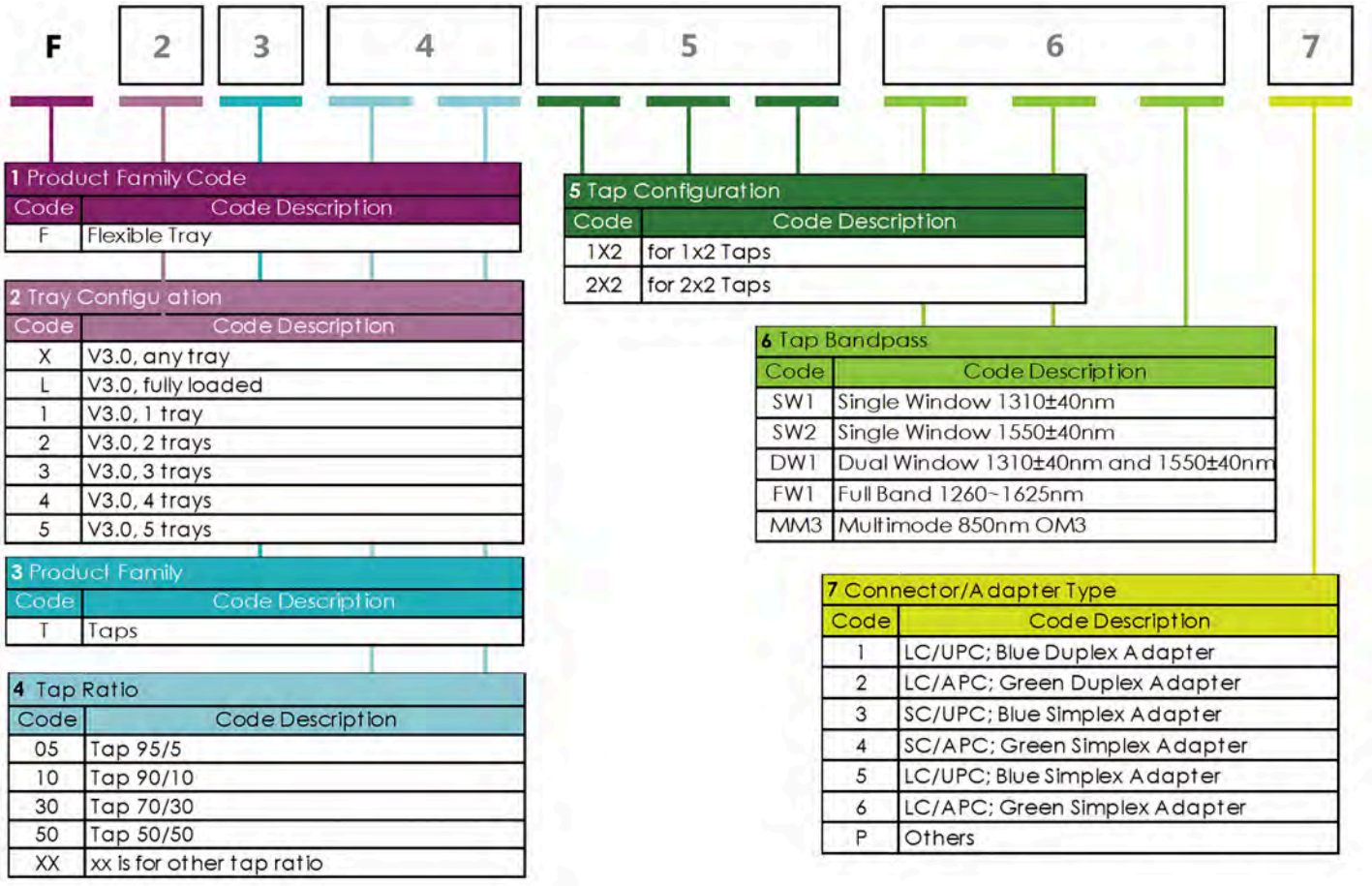
Type of Tap Monitor	Configurations	Max. Ckts per Tray	Total Number of Ports
Standard LC Tap Monitor Cassette	1x2	4 ckts per tray	24 Ports
UniDi and BiDi LC/MPO Tapping Cassette	2x2	24 ckts per tray	96 Ports
MPO Tapping Cassette	1x2	12 ckts per tray	72 Ports

Product Dimensions





Ordering Guide



1 Product Family Code

Code	Code Description
F	Flexible Tray

2 Tray Configu ation

Code	Code Description
X	V3.0, any tray
L	V3.0, fully loaded
1	V3.0, 1 tray
2	V3.0, 2 trays
3	V3.0, 3 trays
4	V3.0, 4 trays
5	V3.0, 5 trays

3 Product Family

Code	Code Description
T	Taps

4 Tap Ratio

Code	Code Description
05	Tap 95/5
10	Tap 90/10
30	Tap 70/30
50	Tap 50/50
XX	xx is for other tap ratio

5 Tap Configuration

Code	Code Description
1X2	for 1x2 Taps
2X2	for 2x2 Taps

6 Tap Bandpass

Code	Code Description
SW1	Single Window 1310±40nm
SW2	Single Window 1550±40nm
DW1	Dual Window 1310±40nm and 1550±40nm
FW1	Full Band 1260~1625nm
MM3	Multimode 850nm OM3

7 Connector/Adapter Type

Code	Code Description
1	LC/UPC; Blue Duplex Adapter
2	LC/APC; Green Duplex Adapter
3	SC/UPC; Blue Simplex Adapter
4	SC/APC; Green Simplex Adapter
5	LC/UPC; Blue Simplex Adapter
6	LC/APC; Green Simplex Adapter
P	Others

Example Order Code

Order Code: FXSA5000FW11

Description: FleT with version 3.0 design, PLC Splitter with 1x16 Configuration and has duplex LC blue adapters

PEACOC® EVA (Enhanced View and Access) High Density Fiber Management Platform

Description

Fiber optic patch panels provide a centralized location for managing and connecting fiber optic cables and help streamline the network to ensure optimal performance and uptime. PEACOC® Enhanced View and Access (EVA) offers a variety of features and benefits to support the smooth and secure operation of your data center infrastructure. Whether you're installing a single panel or a full-scale deployment, EVA offers a flexible and effective solution. Network scalability at-the-ready.

Introducing the PEACOC® EVA platform. Finally, you don't have to invest in a completely new system every time you need to scale up. High reliability adapters offer improved performance and fewer data loss incidents. The unique design with adapter isolation further ensures a solution that can meet the current and future needs of your data center. PEACOC® EVA solution not only saves on deployment cost and time, but also provide the assurance that your network investment will last for years.

Features

- PEACOC® spreadable adapter technology
- Easily identifiable ports marked on the bottom as well as the top
- Cassette based design supports patching, splicing, and integrated optical components such as Tap splitters, PLC splitters, and xWDM modules.
- LC, SC, MPO, and other adapter types.
- 1RU density up to 72 Duplex LC ports (144F)
- Mounts in any 19" or 23" rack, frame, or cabinet.

Port Numbering on bottom of duplex LC adapter

Cassette Configurations

LC / SC / MPO / MDC Patch Panel Cassette

MPO-LC (or SC) Breakout Cassette

TAP / xWDM / SPLITTER Cassette

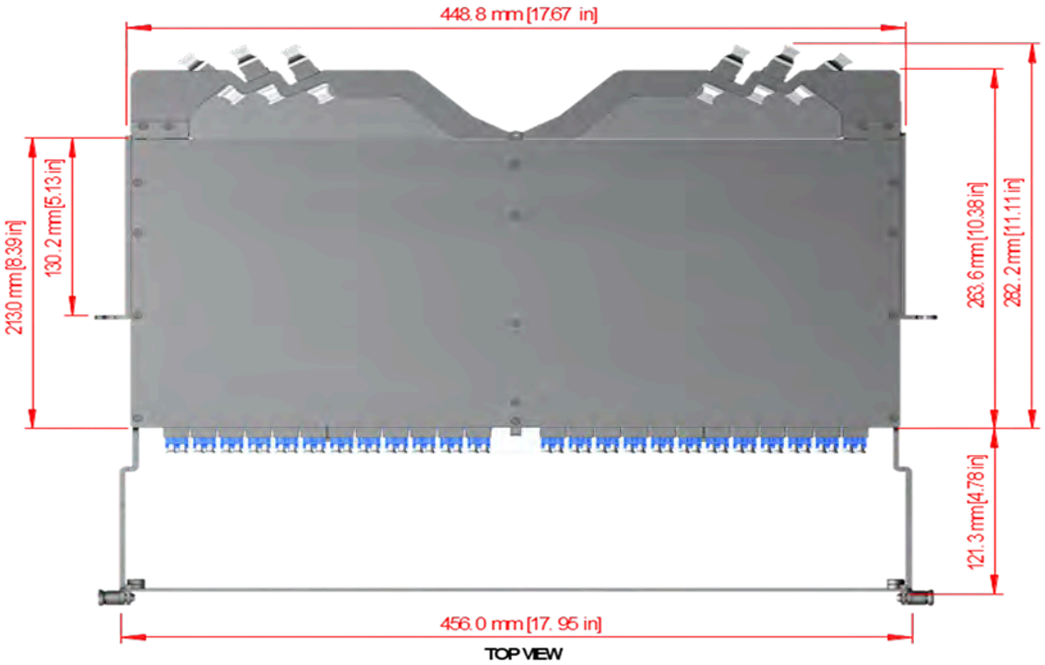
Direct Splice & Patch Cassette

Specifications

PARAMETER	SPECIFICATION
Maximum Number of Ports per 1RU	Duplex LC: 72 Ports (144 fibers) Simplex SC: 72 Ports (72 fibers) MPO: 72 Ports (72 x 8, 12, 24 fibers)
Height	1RU, 2RU, 4RU
Width	19" Std, 23" Rack (with available adapter brackets)
Depth	8.5"default
Mounting Position	Standard, Recessed, and Flush Mounting
Cable Type	Simplex & Duplex Jumpers, MPO Cables, or Multifiber Fan-outs Any: 1.2mm, 1.6mm, 2.0mm, 3.0mm, 3.8mm, etc.
Fiber Type	Single mode and Multimode
Connector Type	LC/UPC, LC/APC, SC/UPC, SC/APC, MPO, MDC
Operating Temperature	-40°C to +65°C
Standards	GR-449

Product Dimensions

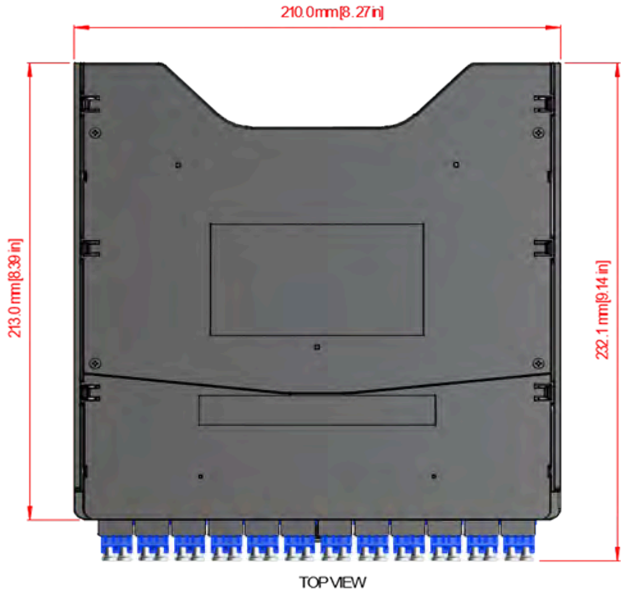
SIDE VIEW



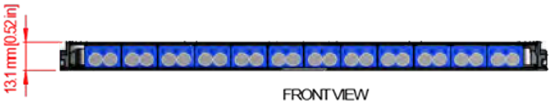
TOP VIEW

FRONT VIEW

CHASSIS



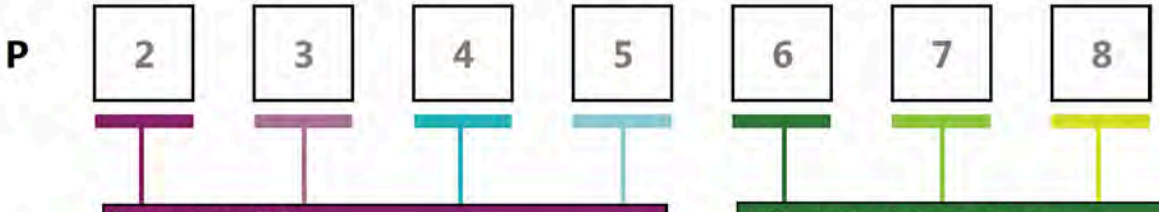
TOP VIEW



FRONT VIEW

CASSETTE

Ordering Guide



2 Number of RUs	
Code	Code Description
1	1RU
2	2RU
4	4RU
X	Cassette Only

3 Number of Cassettes	
Code	Code Description
P	Empty Chassis
A	1
B	2
C	3
D	4
E	5
F	Fully Loaded 1RU
G	Fully Loaded 2RU
H	Fully Loaded 4RU

4 Cassette Type	
Code	Code Description
A	All Front Access
P	Patch
S	Splice

5 Fiber Type	
Code	Code Description
1	Single Mode (SMF)
2	Multi-mode (OM4)

6 Cassette Adapter Type	
Code	Code Description
A	CS
B	SN
C	MMC
D	MDC
G	SN-MT
K	LC Simplex
L	LC Duplex
M	MPO 8/12/24
N	MPO 16
S	SC Simplex

7 Adapter Color	
Code	Code Description
A	UPC (Aqua - Multimode)
B	UPC (Blue - Single Mode)
G	APC (Green - Single Mode)
K	MPO (Black)

8 Inner Cable Options	
Code	Code Description
A	1x12F Male MPO to SC Fanout
D	1x16F Male MPO to LC Fanout
E	1x20F Male MPO to LC Fanout
F	1x24F Male MPO to LC Fanout
H	2x8F Male MPO to LC Fanout
K	2x12F Male MPO to LC Fanout
M	3x8F Male MPO to LC Fanout
N	Mass Fusion Splice
P	Single Splice
R	4-24F Male MPO to 8-12F Male MPO
S	MPO Shuffle
X	None

Ordering Guide for Pre-terminated Cable Assemblies

P | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

2 Number of RUs

Code	Code Description
1	1RU
2	2RU
4	4RU
X	Cassette Only

3 Number of Cassettes

Code	Code Description
P	Empty Chassis
A	1
B	2
C	3
D	4
E	5
F	Fully Loaded 1RU
G	Fully Loaded 2RU
H	Fully Loaded 4RU

4 Cassette Type

Code	Code Description
A	All Front Access
P	Patch
S	Splice

5 Fiber Type

Code	Code Description
1	Single Mode (SMF)
2	Multi-mode (OM4)

6 Cassette Adapter Type

Code	Code Description
A	CS
B	SN
C	MMC
D	MDC
G	SN-MT
K	LC Simplex
L	LC Duplex
M	MPO 8/12/24
N	MPO 16
S	SC Simplex

7 Adapter Color

Code	Code Description
A	UPC (Aqua - Multimode)
B	UPC (Blue - Single Mode)
G	APC (Green - Single Mode)
K	MPO (Black)

8 Cable Configuration

Code	Code Description
L	Loose Tube
R	Ribbon

9 Standard Cable Length

Code	Code Description
1	15' (6 m)
2	75' (23 m)
3	100' (31 m)
4	150' (46 m)
5	200 (61 m)
6	300' (92 m)
7	400' (122 m)
8	500' (153 m)
9	1000' (305 m)
C	Custom

10 Fiber Count

Code	Code Description
A	72
B	144
C	144 (2x72)
D	288
E	288 (2x144)
F	576 (2X288)

11 Far End Connector Type

Code	Code Description
X	None (Stub)
A	CS
B	SN
C	MMC
D	MDC
G	SN-MT
L	LC
M	MPO
S	SC

12 Cable Type

Code	Code Description
A	Riser
P	Plenum
S	I/O
U	Outdoor
Z	LSZH

PEACOC® 360 PANEL

Description

The PEACOC® 360 panel takes speedy network deployments to the next level with usability, manageability, density, and distance. This fast-deployment fiber optic connectivity solution is perfect for most central office, LAN, and data center applications where direct connect or tie panel architectures are needed.

This innovative solution features four independent spools, each with 100 ft of 24F, 3.0 mm cable. The spool capacity not only maximizes the reach distance, but also provides the most flexibility for slack management, virtually eliminating the need for pre-measuring cable lengths.

The modular 1RU panel holds up to 96 duplex LC connections. These may be added after first installation, providing ultimate day-two flexibility. The Go!Foton PEACOC® 360 is the right-sized quick-deployment connectivity solution for facilities where resources, scalability, and density need to be optimized.

Benefits

- Ease and speed deployment, moves, and redeployments
- Reduce labor time/costs
- Simplify inventory management, no need for custom cable assemblies or waiting on lengthy lead times
- Optimize network architecture with the ability to scale quickly
- Flexible design allows for configurations after initial installation

Features

- Four independent cable spools optimized to hold the maximum amount of cable
- PEACOC spreadable adapter technology for generous access to all connectors without affecting insertion loss or risk of an accidental disconnect
- Fixed fiber connections isolated from the spool preserves connection integrity
- Magnetically secured doors to protect connections
- Integrated cable and slack management
- Designed to fit in any 19 in. or 23 in. rack

Applications

- Central Office
- Head-ends
- Data Center
- Enterprise

Specifications

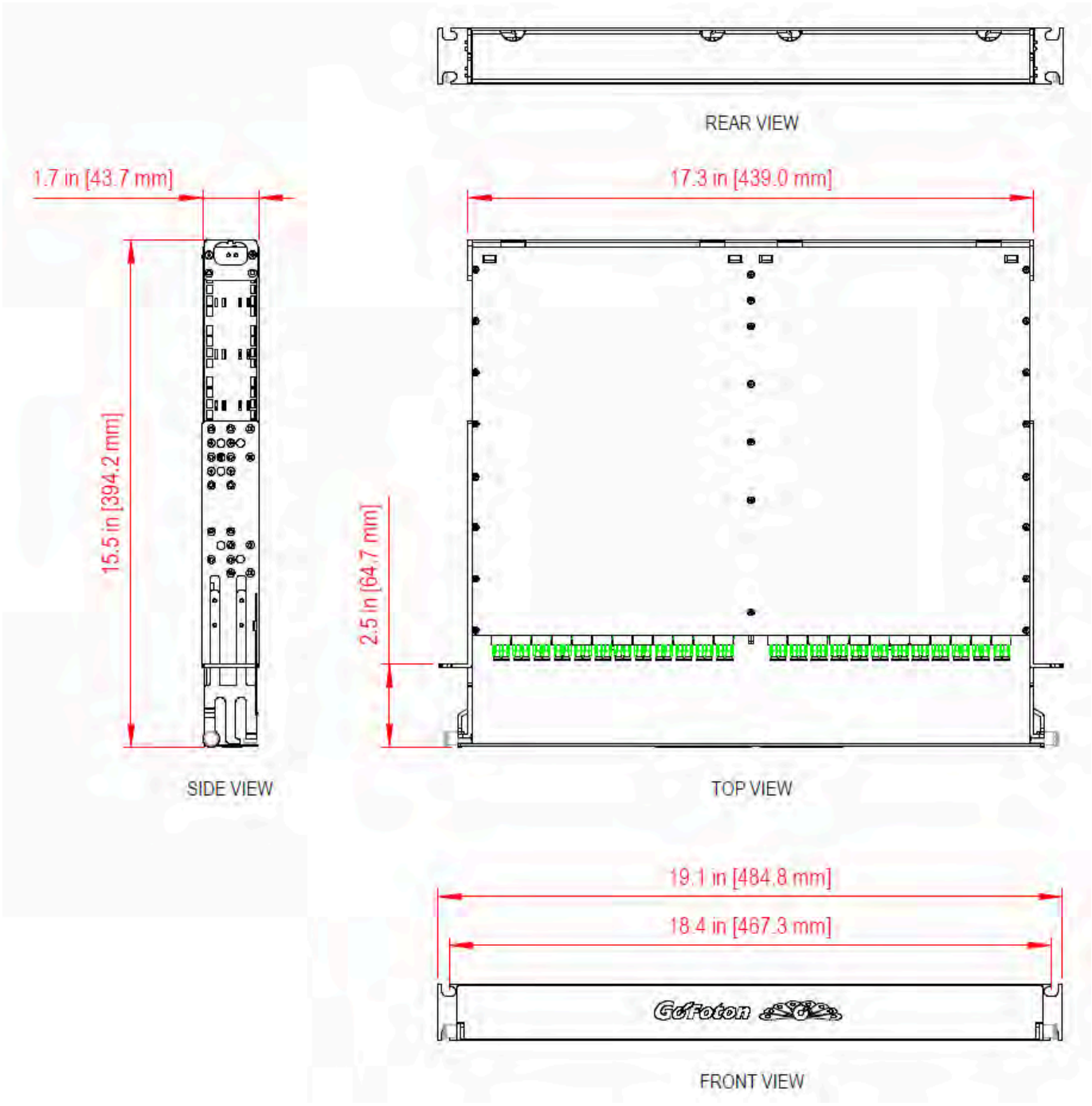
Attributes	
Chassis Dimensions	17.25 in. W x 15 in. D x 1.75 in. H (43.8 cm W x 38.1 cm D x 4.4 cm H)
Chassis Mounting	19 in., 23 in. EIA or WECO
Spool Cable Maximum Length on Primary Spool	100 ft. - 3.0mm/24f 200 ft. - 2.0mm/12f
Front Interface Connectors	LC/UPC, LC/APC, SC/UPC, SC/APC, LC/MM, SC/MM
Ports per Cassette	12 SC, 24 LC
Ports per 1RU Panel	48 SC, 96 LC
Fiber Mode and Type	SMF, MMF(OM4) ITU-TG.657A2
Far-End Connector	SC, LC, MPO
Operating Temperature (F/C)	-40°F to 150°F / -40°C to +65°C
Storage Temperature (F/C)	-40°F to 150°F / -40°C to +65°C
Installation Temperature (F/C)	-40°F to 150°F / -40°C to +65°C
Compliance Specification	Telcordia GF-449 Issue 3

Performance		
Attributes	Single Mode OS2	Multi-Mode OM4
MPO Trunk		
Insertion Loss	0.35 dB	0.35 dB
Return Loss	60 dB	20 dB
PEACOC 360 PANEL		
Insertion Loss	0.40 dB	0.75 dB
Return Loss	65 dB	30 dB

Shipping Dimensions

	Shipping Dimensions	HS Code
1 RU Panel	20.7 x 20.7 x 7 in. (52.5 x 52.5 x 17.5 cm)	8517.62.49.000
1 Cassette	19.3 x 12.2 x 5.2 in. (49 x 31 x 13 cm)	8517.62.49.000

Product Dimensions



Ordering Information

P	3	6	4	5	6	7	8	9	10	11	12

4 Number of RU

Code	Code Description
1	1 RU
X	Cassette Only
S	Spool Only

5 Number of Cassettes

Code	Code Description
P	Empty Chassis
A	Fully Loaded 1 RU (4)
B	1
C	2
D	3

6 Front Connector Type

Code	Code Description
K	Duplex LC UPC SMF
L	Duplex LC APC SMF
N	Duplex LC MMF OM4 (Aqua)
S	Simplex SC UPC SMF
T	Simplex SC APC SMF
U	Simplex SC MMF OM4 (Aqua)

7 Fiber Count

Code	Code Description
1	12F
2	24F

8 Far End Connector

Code	Code Description
B	MPO - 1 X 12F SMF
D	MPO - 1 X 24F SMF
F	MPO - 2 X 12F SMF
H	MPO - 3 X 8F SMF
K	Duplex LC UPC SMF
L	Duplex LC APC SMF
N	Duplex LC MMF OM4 (Aqua)
S	Simplex SC UPC SMF
T	Simplex SC APC SMF
U	Simplex SC MMF OM4 (Aqua)
A	MPO - 1 X 12F MMF OM4 (Aqua)
V	MPO - 1 X 24F MMF OM4 (Aqua)
W	MPO - 2 X 12F MMF OM4 (Aqua)
Y	MPO - 3 X 8F MMF OM4 (Aqua)
X	None

9 Polarity

Code	Code Description
A	Method A
B	Method B
X	Not Applicable

10 Cable Length

Code	Code Description
2	50' (15m) Standard
3	100' (31m) Standard
4	150' (46m)
5	200' (61m)
6	300' (92m)
7	400' (122m)
8	500' (153m)
9	1000' (305m)
X	Empty Spools
Y	Custom

11 Cable Type

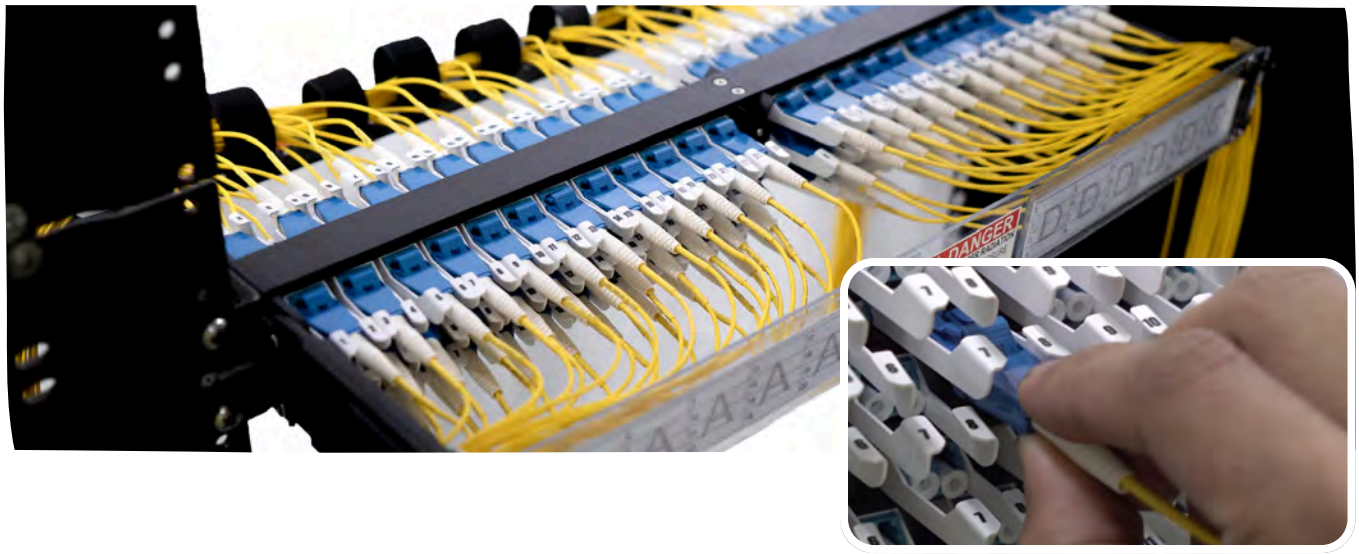
Code	Code Description
P	Plenum (OFNP)
R	Riser (OFNR)
S	I/O
X	Not Applicable

12 Far End Break Out Length

Code	Code Description
1	25"
2	39"
5	60"
X	None (MPO)

**All cables are 3.0 mm diameter unless otherwise specified. Cable diameter affects the total cable length on spool.*

PEACOC® NEMO Patch Panel



Description

The NEMO "Any Density" Fiber Patch Panel is the latest advancement in the PEACOC® product family that integrates Go!Foton's innovative spreadable adapter technology into a traditional bulkhead-style fiber panel. The result is a simple and low-cost solution that enables superior access and secure fiber management for any number or type of connection. It is ideal for today's modern high- capacity and data-rate intensive telecommunication and data communication networks. Network Enhanced Manageable Optics: It's "any density" fiber management – **that works!**

Benefits

- Easy Access: NEMO spreadable adapter technology that minimizes insertion loss while providing generous access to all connectors
- Scalable Density: From 6 ports (single rail) to 72 ports (fully loaded) and anything in-between
- Versatile: Supports a variety of connector types from LC to SC to MPO and more
- Universal: Mounts in any 19" or 23" rack, frame, cabinet, or wall mount bracket
- Flexible: Supports basic patch panel functionality and pre-terminated cabled panels
- Cost Effective: Simple, lightweight design

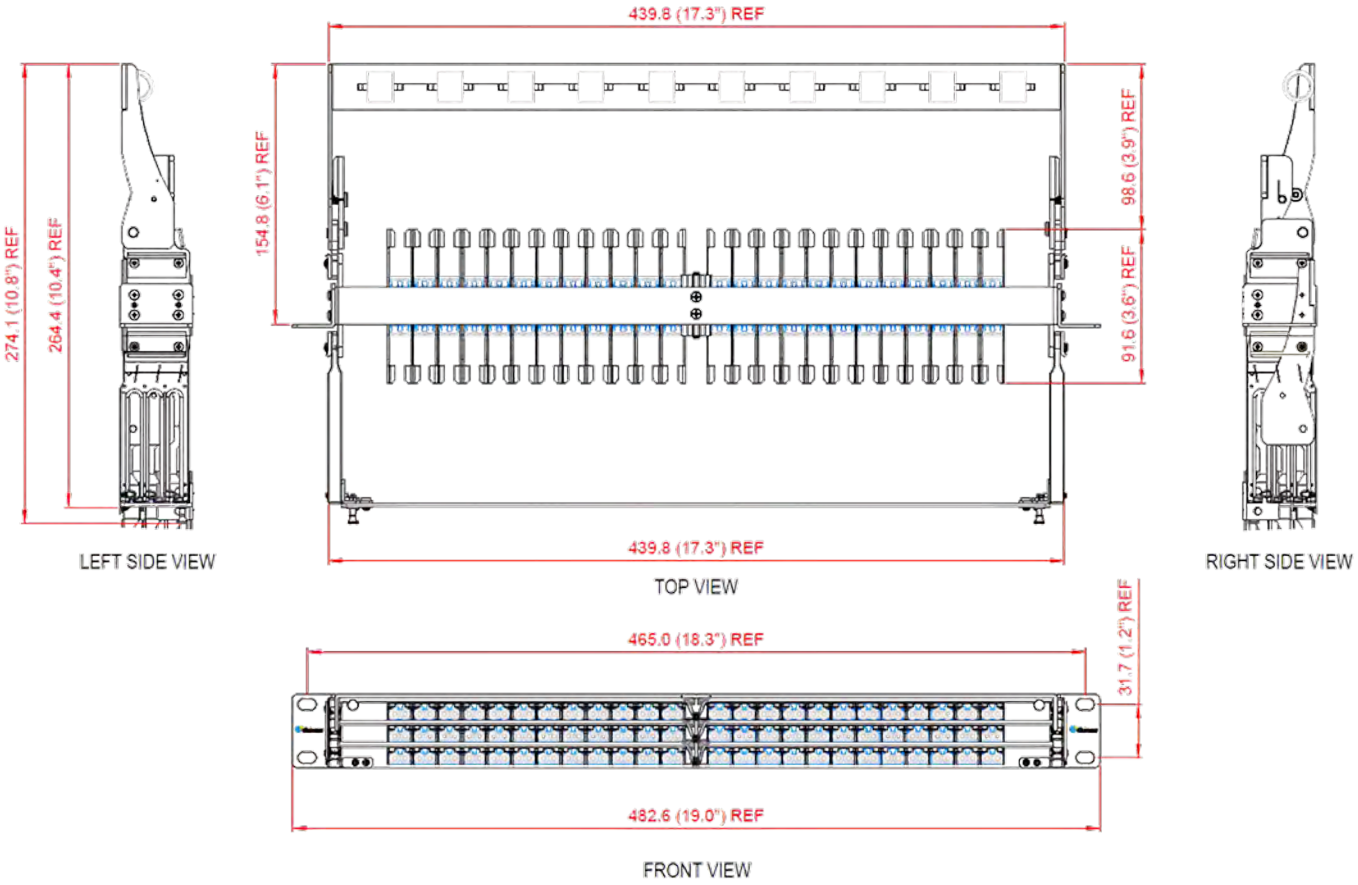
Features

- Adapters safely and effortlessly spread apart using NEMO technology
- Field expandable – can mix and match connector types as you grow
- Convenient port labeling for each connection on both front and rear sides of the panel
- Optional front and rear protective doors with ample space for circuit identification
- Available with a variety of options for cable management on the front and rear sides

Applications

- Datacenter Networks
- Enterprise Networks
- Telecommunication Networks
- Wireless Networks
- Fiber Management and Distribution Frames
- Outdoor Cabinets & Enclosures

Product Dimensions



Specifications

Max Number of Ports Per 1RU	Duplex LC: Simplex SC: MPO:	72 Ports (144 fibers) 72 Ports (72 fibers) 72 Ports (72 x 8, 12, or 24 fibers)
Height	1RU (~1.75")	
Weight	19" Rack (std) 23" Rack (with available adapter brackets)	
Depth	10.8" (with both front & rear cable manangers)	
Total Weight (full port capacity)	2.3lbs (1.04kg)	
Operating Temperature	-40 °C to +65 °C	
Cable Type(s)	1.2mm, 1.6mm, 2mm, 3mm, 3.8mm,etc.	
Standards	GR-449	

Ordering Guide

P N | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

3 Number of RUs

Code	Code Description
1	1RU
X	Single Rail

4 Type of Ports

Code	Code Description
L	LC Duplex
S	SC Simplex
P	MPO (8/12/24)
X	None (Empty Panel)

5 Port Color

Code	Code Description
B	Blue
E	Beige
K	Black
G	Green
Q	Aqua
V	Violet
X	None (Empty Panel)

6 Number of Ports

Code	Code Description
000	None (Empty Panel)
006	6 Ports
012	12 Ports
024	24 Ports
036	36 Ports
048	48 Ports
060	60 Ports
072	72 Ports
___	3 Digit Code

7 Rear Connection / Inner Cabling

Code	Code Description
X	None (Patch Panel Only)
P	Pre-term Pigtail

8 Port Labels

Code	Code Description
A	Port Number
B	Fiber Number / Count
D	Letters (By Port)
C	Custom
X	None

9 Cable Management

Code	Code Description
1	Front & Rear (Side Exit)
2	Front (Side Exit) + Rear (Rear Exit)
3	Front Only (Side Exit)
4	Rear Only (Side Exit)
5	Rear Only (Rear Exit)
X	None

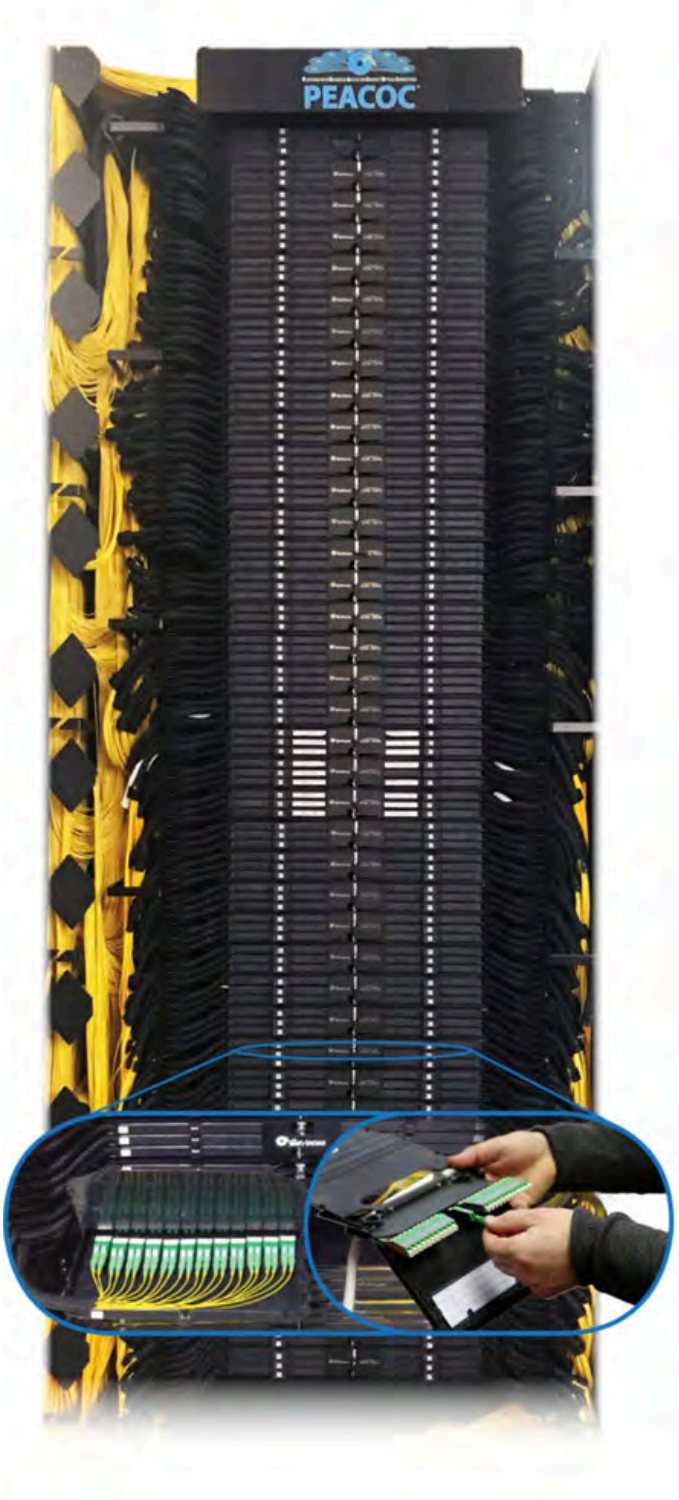
10 Doors

Code	Code Description
1	Front & Rear
2	Front Only
3	Rear Only
X	None

PEACOC® Fiber Distribution Frame (FDF)

Description

The Go!Foton PEACOC® Fiber Distribution Frame is a 7ft. open frame used to safely mount fiber optic panels/enclosures, and was designed to accurately store and manage large volume of cables in a high density configuration. For maximum port capacity and density, PEACOC® panels/enclosures may be deployed using PEACOC® Fiber Distribution Frame which will allow up to 5760 LC Ports. The optical port density can be increased even further with the use of smaller form factor connectors, or by integrating multi fiber push-on (MPO) connectors.



Features

- 40U
- 19“/23“
- Bonding and grounding ready
- Rear & Front troughs are available for crossing cables from left to right side of the frame or vice versa.

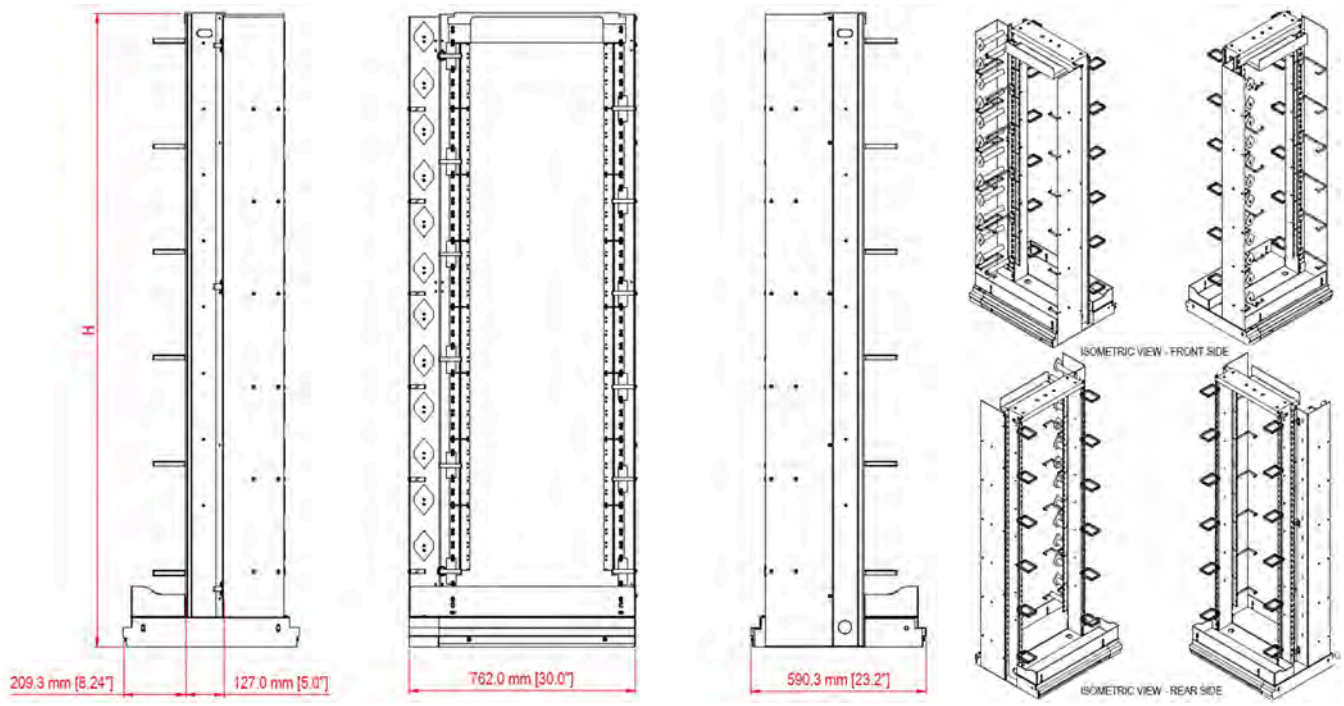
Applications

- Telecommunication Networks
- Data Communication Network
- Optical System Access Networks
- Broadband / CATV Networks

Specifications

Dimensions	30"L x 23"W x 84"H
Total rack unit capacity	40U
Rack Mounting	19"/23"
Color	Black

Product Dimensions



Ordering Guide

P | 2 | 3 | 4 | 5 | 6

2 Frame

Code	Code Description
FRM	Frame

3 Frame Capacity

Code	Code Description
A	12U
J	40U
K	45U

4 Inner Mounting Rails

Code	Code Description
19	Standard 19" Rack
23	Standard 23" Rack
C	Customized

5 Mounting Option

Code	Code Description
T	Table-Top Mounted
F	Floor Mounted

6 Color

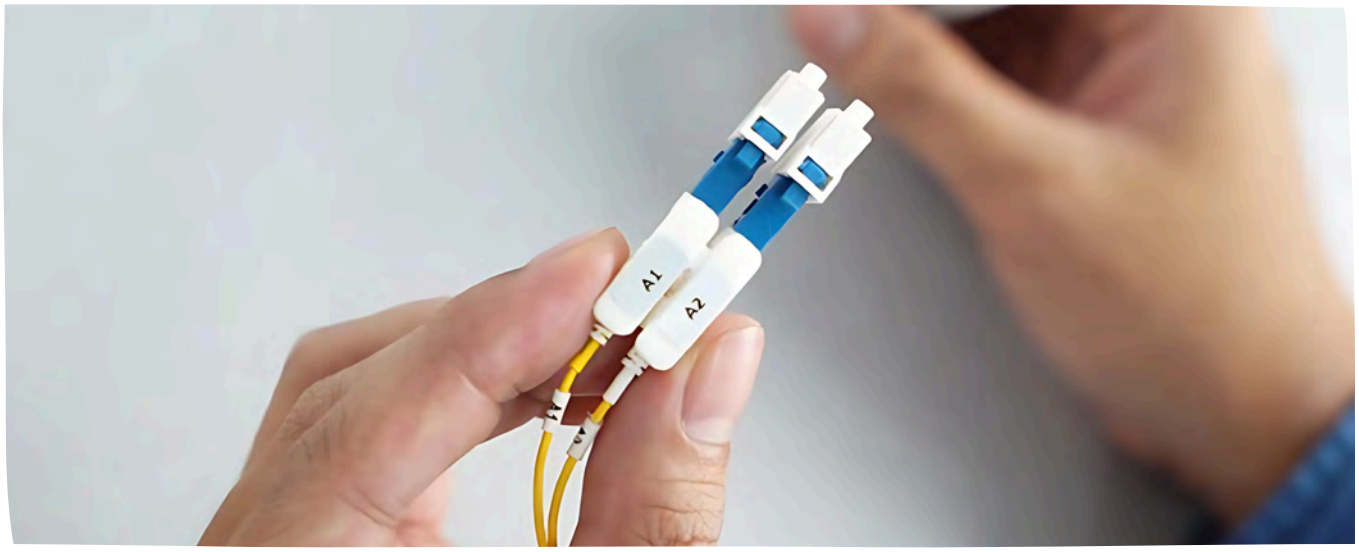
Code	Code Description
B	Black

Example Order Code

Order Code: PFRMJ23FB

Description: 19"/23"

PEACOC® Connector Label Clip



Description

The Go!Foton PEACOC® Connector Label Clip is a light-weight accessory that provides cable labeling for high density connector applications like cassettes and patch panels. The clips have a built-in locking mechanism that can be attached to standard boot sizes. PEACOC® Connector Label Clips come in attached pairs which can be fastened on duplex connectors or can be easily be separated for simplex connectors.

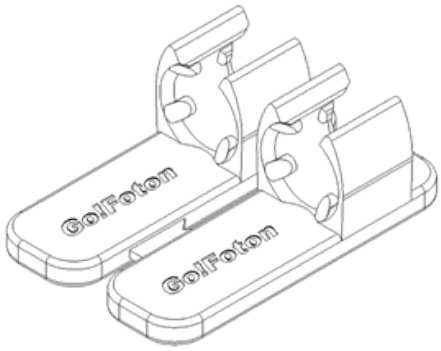
Features

- Ideal for high density applications
- Detachable and interchangeable clips
- Accommodates both handwritten and sticker labels
- Flexible for many standard boot sizes
- Built-in locking mechanism
- Separable for simplex connectors

Applications

- LC Duplex/Simplex Connectors
- SC Simplex Connectors

Product Dimensions



Specifications

Parameter	Specification
Dimensions	20mm x 13.4mm
Standard Color	White
Material	Nylon 6/6
Flammability Rang	UL94V0
RoHS Compliance	✓

Ordering Guide

P | 2 | 3 | 4 | 5

2 Accessories

Code	Code Description
CLC	Connector Label Clip

3 Type

Code	Code Description
1	Type 1 (Standard)

4 Color

Code	Code Description
A	White

5 Quantity Per Bag

Code	Code Description
0075	75 pcs. per bag (Standard)
____	Custom

Example Order Code

Order Code: PCLC1A0075

Description: PEACOC Connector Label Clip, Type 1, White, 75 pcs. per bag

PEACOC® Storage Organizer for Cables (SOC)

Description

The Go!Foton PEACOC® SOC is a light weight and highly durable woven sleeve designed to enhance the organization of optical fiber patch cables in high density fiber management systems such as ODFs, fiber distribution hubs & terminals, or any other application where long length jumpers are typically used in large bundles. The PEACOC® SOC is available diameters ranging from 3/16-inch through 3/8-inch making it suitable for a wide variety of cable management challenges. The PEACOC® SOC is supplied in fixed lengths with a factory terminated end that is easily attached using a standard tie wrap. Each SOC may be cut to the precise length required in the field before adding the zipper clips.

The Zipper clips are easily attached to the sleeve creating a simple and highly efficient way to organize patch cords. The PEACOC® SOC does not require any special tools to install or operate and it can be used over and over again whenever access to the patch cords is required. The PEACOC® SOC is highly effective in organizing large bundles of small form factor patch cords such as 1.2mm or 1.6mm LC jumpers.

Features

- Organize & manage large bundles of jumpers
- Lightweight, durable, and flexible sleeve
- Easy and fast installation
- Easy attachment to any rack system, ODF, or enclosure
- Simple access to add or remove individual jumpers
- Suitable for small size 1.2mm LC
- Compatible with all cable products
- Provides added mechanical protection
- Rated UL-94, V0

Applications

- Organization & Protection of Patchcords
- Suitable for High-Density Fiber Management
- Data center, Telecom CO, CATV Headend
- Remote Terminals, Enclosures and Cabinets

Ordering Guide for Cable Sleeve

P | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9

2 Accessories

Code	Code Description
SOC	Storage Organizer for Cables

3 Cable Sleeve Size

Code	Code Description
36	3/16" or 5mm Nominal Diameter Self-Wrapping Cable Sleeve
56	5/16" or 8mm Nominal Diameter Self-Wrapping Cable Sleeve
38	3/8" or 10mm Nominal Diameter Self-Wrapping Cable Sleeve
12	1/2" or 13mm Nominal Diameter Self-Wrapping Cable Sleeve
58	5/8" or 16mm Nominal Diameter Self-Wrapping Cable Sleeve
34	3/4" or 19mm Nominal Diameter Self-Wrapping Cable Sleeve

4 Type

Code	Code Description
A	Premium Grade
B	Standard

5 Swing Arm

Code	Code Description
S	Swing Arm
X	None

6 Cable Insert Part

Code	Code Description
_	Number of Cable Insert Part (1-4)
X	None

7 Cable Sleeve Color

Code	Code Description
B	Black
W	White

8 Cable Sleeve Length

Code	Code Description
___	Length of Cable Sleeve

9 UOM (Unit of Measurement)

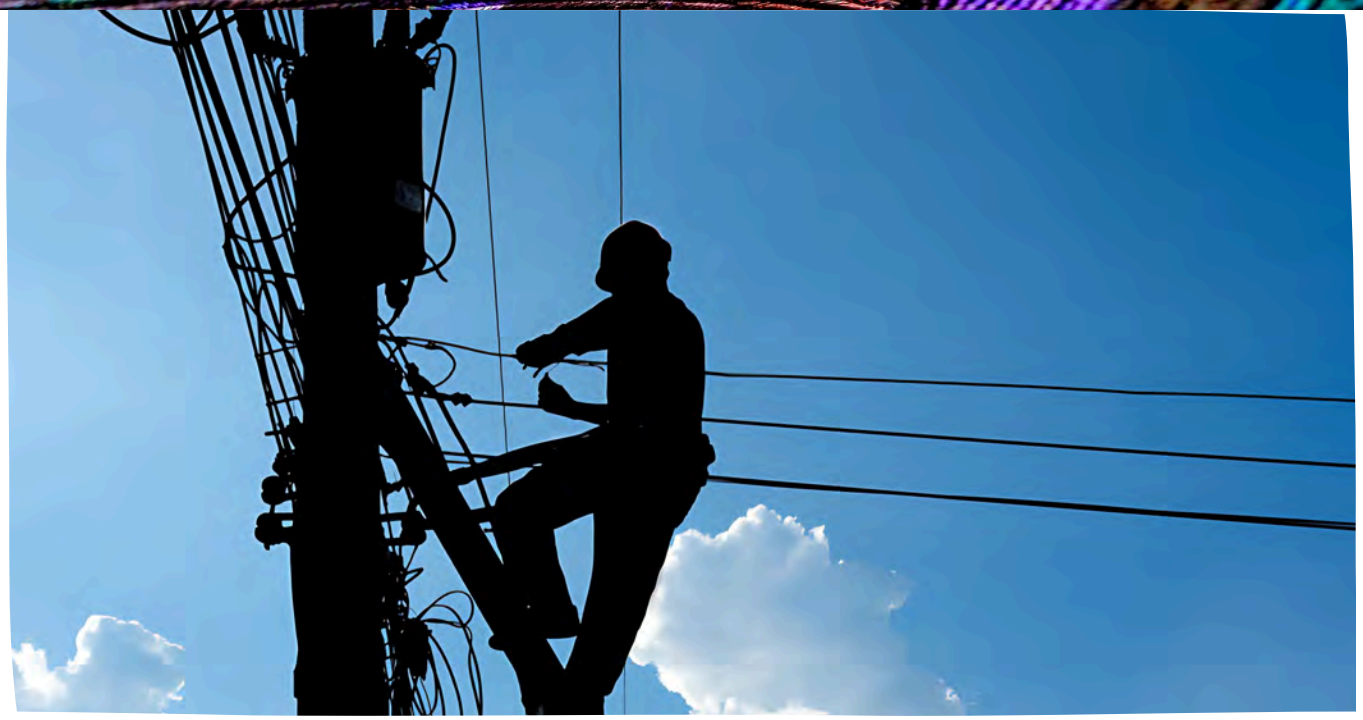
Code	Code Description
C	cm (centimeters)
M	m (meters)
N	in (inches)
F	ft (feet)

Go!Foton's OSP Product Portfolio

In today's modern outside plant (OSP) fiber networks, the key elements for Service Providers to quickly and easily deploy reliable and economical fiber networks in any type of environment are product size and ease of installation.

Go!Foton's OSP product platform is uniquely designed to offer both – small terminals that are simple to deploy and use standard connector types that are readily available and familiar to engineers, installers and technicians. These hardened and versatile fiber terminals, closures, and drop cables take nothing proprietary or complicated to install and are ideal solutions for all types of OSP fiber deployments including FTTH, FTTA, FTTB, and HFC networks.

Go!Foton's OSP terminals and closures employ PEACOC® spreadable adapter technology to densify the number of fibers per terminal, while providing manageable craft access to the connectors – even for technicians with the largest hands! In addition, by integrating standard SC, LC, and MPO connectors, the installer is instantly at ease with knowing how to make connections without having to use proprietary hardened connectors and cables. Go!Foton's true vertical integration also provides for a vast array of application diversity by incorporating our own Telcordia certified xWDMs, Splitters, and TAPs into each terminal type to support the variety of fiber network topologies.



Go!Foton's OSP Product Portfolio

Go!Foton's products range from fully hardened GR-771/IP68 terminals like our unique Clamshell Hardened Terminal (CHT) and Mid-span Clamshell Hardened Terminal (M-CHT) that are compact and use standard connector drop cables for a craft friendly, fully hardened connection. Terminals with integrated PEACOC® spreadable adapter technology are compact, easy to access, and provide high-density solutions for both OSP and in-building fiber distribution.

The PEACOC®enabled Compact OSP Terminal and Small MDU Terminal can also be equipped with Splitters and xWDMs for even greater versatility. For rural deployments and distributed FTTx architectures, Go!Foton's OSP Splice, Splitter and Engineered TAP terminals provide a compact and cost-effective design that supports a variety of feeder, branch, and drop cable types and can be quickly deployed in both urban and less-dense communities.

The new Multiport Mid-Span Terminal (MMT) integrates our PEACOC® spreadable adapters into a high capacity, fully functional below and above grade terminal for FTTx network everywhere. It's high-density fiber management for the outside plant – *that works!*

PEACOC® Multiport Mid-Span Terminal (MMT)

Description

The PEACOC® Multiport Mid-Span Terminal is a flexible fiber optic connectivity solution that can be deployed in either above or below grade applications to suit a variety of outside plant network needs. It offers a wide range of configurations for a variety of functions with guaranteed quality and water-tight performance: from mid-span splicing, to optical component integration, as well as pre-connectorized customer drop applications. The PEACOC® MMT family of OSP terminals is ideal for any telecommunications, FTTx, or wireless fiber networks. It's flexible, reliable, high density fiber management – that works!

Features

- Large capacity in a compact size
- Isolated user access between feeder/branch splice and drop cable/splice areas
- Splitter/TAP/WDM module tray is field replaceable
- Eight cable entry/exit ports for feeder and branch cables
- Up to 16 drop ports for flat or round cables
- Butt-splice and In-Line splice capable
- Holds up to 8' of cable/buffer tube slack for a 288F cable
- Pole, strand, wall, pedestal, handhole/manhole mountable
- Compliant with GR-771 and IEC 60529 (IP68)

Benefits

- Faster and more accurate installations with easy connector access using PEACOC® spreadable adapter technology
- Provides flexibility with one form factor for a variety of applications (splice, splitters, TAPs , and WDMs)
- Reduces lead times while diversifying the supply chain by using standard connector fiber drop cables
- Simplifies inventory management

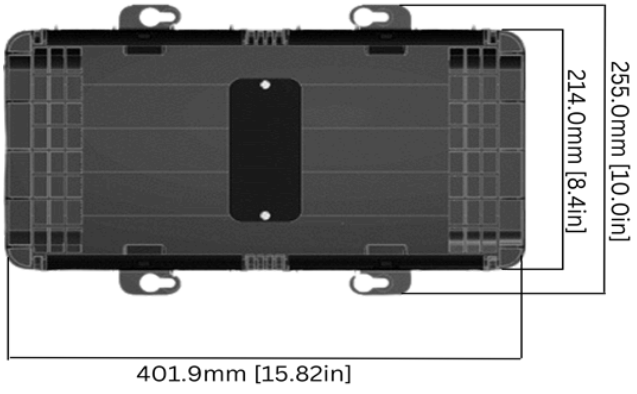
Applications

- FTTx networks where mid-span splicing is required for new customer adds
- FTTx networks with distributed split architectures
- Rural FTTx deployments where subscriber density is significantly lower than in urban areas
- FTTx pathways that have individual or small clusters of subscribers spread out over long distances

Specifications

PARAMETER	SPECIFICATION	
Cable Entry/Exit Ports	Feeder (x2): 13~25mm diameter Branch (x2): 3~12mm diameter	
Drop Ports Capacity	16 ports	
Adapter Type(s)	SC/APC & SC/UPC LC/APC & LC/UPC (duplex)	
Supported Drop Cables	**Round:** 3.0mm and 4.8mm **Standard Flat:** 8.1 x 4.6mm **Micro Flat**: 5.4mm x 3.0mm	
Splice Capacity	**Small Tray** Up to 96 single fiber (loose-tube) splices Up to 12 mass fusion (ribbon) splices	**Large Tray** (butt splice only) Up to 144 single fiber (loose-tube) splices Up to 18 mass fusion (ribbon) splices
Outer Dimensions	15.8" x 8.4" x 5.5"	
Operating Temperature	-40°C to +65°C	
Mounting Options	Pole, Wall, Strand, Pedestal, Handhole	
Color	Black	
Functional Options	Loose-tube and Ribbon Splice PLC Splitters Engineered TAPs	
Standards	GR-771 and IEC 60529 (IP68)	

Product Dimensions



Front View

Top View

MMT Mounting Options

Pole Mounting

Wall Mounting

Pedestal Mounting

Strand Mounting

Hand hole Mounting

Accessory Parts Ordering Guide

MODEL CODE	DESCRIPTION
PMMTMP	MMT MOUNT BRACKET FOR POLE, WALL, OR PEDESTAL
PMMTMC	MMT MOUNT BRACKET FOR CABLE STRAND
PMMTGNDKIT	MMT GROUNDING KIT

Ordering Guide
MMT Splice Terminal

P	M	M	L	4	5	6	7	8

4 Installed Pigtails

Code	Code Description
2	2 Ports
4	4 Ports
8	8 Ports
L	12 Ports
P	16 Ports
X	None (Splice Only)

5 Adapter Type

Code	Code Description
1	LC/UPC (Blue) Duplex
2	LC/APC (Green) Duplex
3	SC/UPC (Blue) Simplex
4	SC/APC (Green) Simplex
X	None (Splice Only)

6 Max Splice Capacity

Code*	Code Description
096	96 Fibers
144	144 Fibers

*Must Choose "096" for Top & Bottom (Inline or Butt Splice) or "144" for Bottom Only (Butt Splice)

7 Feeder/Branch Ports

Code*	Code Description
B	Bottom Only (Butt Splice)
T	Top & Bottom (Inline or Butt Splice)

*Must Choose "B" for 144F or "T" for 96F

8 Drop Cable Ports

Code	Code Description
1	3.0mm and 4.8mm Round 8.4mm x 4.6mm Standard FlaT
2	4.8mm Round 8.4mm x 4.6mm Standard Flat
3	5.4mm x 3.0mm Micro Flat

Ordering Guide
MMT with PLC Splitters

P M M S [4] [5] X [6] [7] [8]

4 Installed Pigtails

Code*	Code Description
2	2 Ports
4	4 Ports
8	8 Ports
L	12 Ports
P	16 Ports

*Must choose the proper installed adapters and splitter module configuration

5 Adapter Type

Code	Code Description
1	LC/UPC (Blue) Duplex
2	LC/APC (Green) Duplex
3	SC/UPC (Blue) Simplex
4	SC/APC (Green) Simplex

6 Splitter Module Configuration

Code*	Code Description	Installed Adapter/ Pigtail Code
102	1 Set of 1x2	2
104	1 Set of 1x4	4
204	2 Sets of 1x4	8
108	1 Set of 1x8	
304	3 Sets of 1x4	L
404	4 Sets of 1x4	P
208	2 Sets of 1x8	
116	1 Set of 1x16	

*Must choose the proper installed adapters and splitter module configuration

7 Feeder/Branch Ports

Code*	Code Description
B	Bottom Only (Butt Splice)
T	Top & Bottom (Inline or

8 Drop Cable Ports

Code	Code Description
1	3.0mm and 4.8mm Round
2	4.8mm Round
3	5.4mm x 3.0mm Micro Flat

Splitter Specification

PARAMETER	SPECIFICATION		
Operating Wavelength	1260~1620nm		
Configuration	1x4	1x8	1X16
Insertion Loss	≤ 7.2 dB	≤ 10.9 dB	≤ 14.3 dB
Uniformity	≤1.0 dB	≤1.0 dB	≤1.4 dB
Polarization Dependent Loss	≤0.2 dB	≤0.3 dB	≤0.3 dB
Return Loss	≥50 dB		
Optical Power Handling	≤ 300 mW		
Standards	GR-1209/GR-1221		

IL and RL includes connectors*

Ordering Guide
MMT with Engineered TAPs

P	M	M	T	4	5	6	7	8

4 Installed Pigtails

Code	Code Description
2	2 Ports (use for TAP Code 01 to 11)
4	4 Ports (use for TAP Code 12 to 20)
8	8 Ports (use for TAP Code 21 to 28)

5 Adapter Type

Code	Code Description
1	LC/UPC (Blue) Duplex
2	LC/APC (Green) Duplex
3	SC/UPC (Blue) Simplex
4	SC/APC (Green) Simplex

6 TAP Splitter Type

Code*	Code Description
--	2 Digit Code - See Installed Adapters Code Description for code detail

7 Feeder/Branch Ports

Code*	Code Description
B	Bottom Only (Butt Splice)
T	Top & Bottom (Inline or Butt Splice)

8 Drop Cable Ports

Code	Code Description
1	3.0mm and 4.8mm Round 8.4mm x 4.6mm Standard FlaT
2	4.8mm Round 8.4mm x 4.6mm Standard Flat
3	5.4mm x 3.0mm Micro Flat

Engineered TAP Labeling

3-digit code

___ ___ ___

TAP Loss (in dBs)

# of Ports (2, 4, or 8)

TAP Ordering Guide

Code	TAP Value	TAP Module Description
		CODE FOR MODULES WITH 2-DROP PORTS
01	21 dB	99/1 TAP WITH 1X2 SPLITTER DROP PORTS
02	19 dB	98/2 TAP WITH 1X2 SPLITTER DROP PORTS
03	17 dB	97/3 TAP WITH 1X2 SPLITTER DROP PORTS
04	15 dB	95/5 TAP WITH 1X2 SPLITTER DROP PORTS
05	14 dB	94/6 TAP WITH 1X2 SPLITTER DROP PORTS
06	12 dB	90/10 TAP WITH 1X2 SPLITTER DROP PORTS
07	10 dB	80/20 TAP WITH 1X2 SPLITTER DROP PORTS
08	8 dB	75/25 TAP WITH 1X2 SPLITTER DROP PORTS
09	7 dB	70/30 TAP WITH 1X2 SPLITTER DROP PORTS
10	5 dB	60/40 TAP WITH 1X2 SPLITTER DROP PORTS
11	4 dB	1X2 SPLITTER DROP PORTS - TERMINATOR TAP
		CODE FOR MODULES WITH 4-DROP PORTS
12	21 dB	99/1 TAP WITH 1X4 SPLITTER DROP PORTS
13	19 dB	98/2 TAP WITH 1X4 SPLITTER DROP PORTS
14	17 dB	97/3 TAP WITH 1X4 SPLITTER DROP PORTS
15	15 dB	95/5 TAP WITH 1X4 SPLITTER DROP PORTS
16	13 dB	93/7 TAP WITH 1X4 SPLITTER DROP PORTS
17	11 dB	90/10 TAP WITH 1X4 SPLITTER DROP PORTS
18	10 dB	85/15 TAP WITH 1X4 SPLITTER DROP PORTS
19	9 dB	80/20 TAP WITH 1X4 SPLITTER DROP PORTS
20	7 dB	1X4 SPLITTER DROP PORTS - TERMINATOR TAP
		CODE FOR MODULES WITH 8-DROP PORTS
21	22 dB	99.5/0.5 TAP WITH 1X8 SPLITTER DROP PORTS
22	21 dB	99/1 TAP WITH 1X8 SPLITTER DROP PORTS
23	19 dB	98/2 TAP WITH 1X8 SPLITTER DROP PORTS
24	17 dB	97/3 TAP WITH 1X8 SPLITTER DROP PORTS
25	15 dB	95/5 TAP WITH 1X8 SPLITTER DROP PORTS
26	14 dB	94/6 TAP WITH 1X8 SPLITTER DROP PORTS
27	12 dB	90/10 TAP WITH 1X8 SPLITTER DROP PORTS
28	11 dB	1X8 SPLITTER DROP PORTS – TERMINATOR TAP

Optical Specifications

PARAMETER	UNIT	SPECIFICATIONS	
Operating Wavelength Range	nm	1310±40 and 1550±40	
Return Loss	dB	≥ 50	
Directivity	dB	≥ 55	
PDL	dB	≤ 0.20	
Insertion Loss for 2-Port TAPs		**Signal Port (THRU)**	**Drop Ports**
21dB	dB	≤0.4	19.5~21.5
19dB	dB	≤0.5	16.5~18.5
17dB	dB	≤0.7	16.0~18.0
15dB	dB	≤0.8	14.2~15.8
14dB	dB	≤1.1	12.0~14.0
12dB	dB	≤1.3	10.5~12.5
10dB	dB	≤2.1	8.5~10.5
8dB	dB	≤2.7	7.5~9.5
7dB	dB	≤4.1	6.2~7.8
5dB	dB	≤6.0	4.2~5.8
4dB	dB	-	≤4.0
Insertion Loss for 4-Port TAPs		**Signal Port (THRU)**	**Drop Ports**
21dB	dB	≤0.6	18.5~20.5
19dB	dB	≤0.8	16.5~18.5
17dB	dB	≤1.0	15.5~17.5
15dB	dB	≤1.3	14.2~15.8
13dB	dB	≤2.0	12.2~13.8
11dB	dB	≤2.7	10.2~11.8
10dB	dB	≤4.0	9.0~11.5
9dB	dB	≤6.0	8.0~9.8
7dB	dB	-	6.2~7.8
Insertion Loss for 8-Port TAPs		**Signal Port (THRU)**	**Drop Ports**
22dB	dB	≤0.8	20.0~22.0
21dB	dB	≤1.0	18.5~21.5
19dB	dB	≤1.3	16.5~18.5
17dB	dB	≤2.0	15.0~16.8
15dB	dB	≤2.7	14.2~15.8
14dB	dB	≤4.1	12.8~14.4
12dB	dB	≤6.0	11.0~12.8
11dB	dB	-	9.5~10.7

Note:
Insertion loss includes WDL, TDL and PDL but excludes connector losses (≤1.0 dB)

PEACOC® 4-PORT MID-SPAN MULTIPORT TERMINAL

Description

The PEACOC® 4-Port Multiport Mid-Span Terminal (MMT) is a compact outside plant fiber terminal designed to pack in density and be easy to install. The FTTx terminal is right-sized for operators building distributed split architectures, where mid-span splicing is required to add new customers, or for FTTx connections spanning long distances between sparsely populated areas.

Because one size does not fit all, this terminal offers 4 drops with an additional plug-and-play port for maximum flexibility. Its modular tray accommodates splitters, engineered TAPs or splice up to 24 fibers. And the compact, water-tight design and universal mounting
features make this solution perfect for both above and below-grade installations. With its size, trademark PEACOC spreadable adapters, and customizable features, the 4-Port MMT makes installations and service fast and straightforward.

Benefits

- Improve inventory management with modular design
- Save technician resources & reduce downtime
- Faster & more accurate installations with easy fiber access
- Simplify sourcing with standard drop cable and FIC compatibility
- Install almost anywhere with water-tight, universal mounting capability

Applications

- FTTx networks where mid-span splicing is required
- FTTx networks with distributed split architectures
- FTTx pathways that have subscribers spread out over long distances

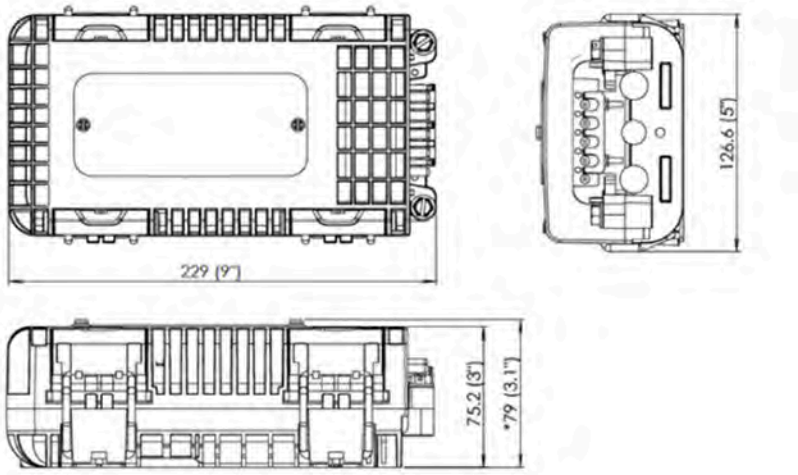
Features

- Compact size for 4 drops with additional port for plug-and-play input
- Supports standard field-installable connectors on drop cables
- Isolated user access between feeder/branch splice and drop cable/splice areas
- Two cable entry/exit ports for feeder cables and one port for branch cable
- Universal mounting bracket for pole, strand, wall, pedestal, and handhole/manhole installation
- Meets IEC 60529 (IP68) standards for above and below-grade applications

Specifications

Attributes	Specifications
Cable Entry/Exit Ports	Feeder (x2): 5~14mm diameter Branch (x1): 3~12mm diameter
Splice Capacity	24 single fiber
Drop Ports Capacity	4 ports + 1 additional for plug-and-play input
Adapter Type(s)	SC/APC & SC/UPC LC/APC & LC/UPC (duplex)
Supported Drop Cables	Round: 4.8mm Standard Flat: 8.1 x 4.6mm Micro Flat: 5.4mm x 3.0mm
Outer Dimensions	9" x 5" x 3.1"
Operating Temperature	-40°C to +65°C
Mounting Options	Pole, Wall, Strand, Pedestal, Handhole
Color	Black
Functional Options	Loose-tube Splice, PLC Splitters, & Engineered TAPs
Standards	GR-771 & IEC 60529 (IP68)

Product Dimensions



Ordering Information: Accessory Parts

Model Code	Description
PM4UMS	4-port MMT strand mount brackets
PM4GNDKIT	4-port MMT grounding kit

Note: universal mount bracket included

Ordering Information

P	M	4	4	5	6	7	8	9	10	11	12

4 Connector/Adapter Type	
Code	Code Description
1	LC/UPC
2	LC/APC
3	SC/UPC
4	SC/APC
X	None-Splice Only

5 Installed Pigtails	
Code	Code Description
2	2 Pigtails
4	4 Pigtails
N	None or Pre-installed Splitter/TAP

6 Installed Adapters	
Code	Code Description
2	2 Adapters
4	4 Adapters
N	None

7 - 9 Optical Components	
Code	Code Description
3 Digit Code	See below table

10 Plug-and-Play TAP / Splitter Input	
Code	Code Description
A	Yes
B	No

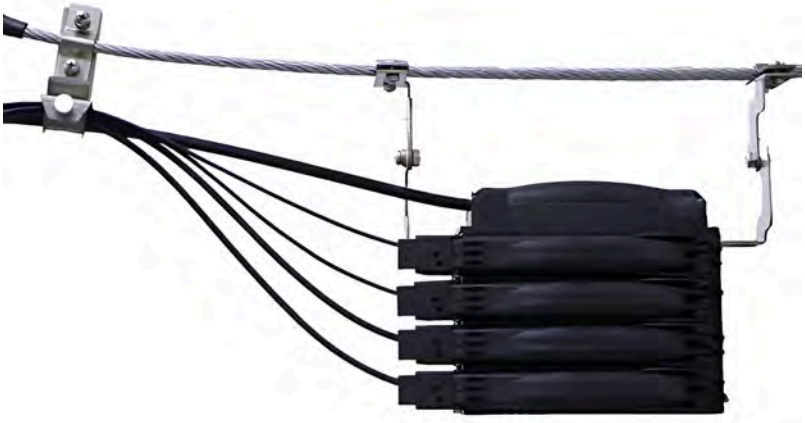
11 Drop Cable Ports	
Code	Code Description
2	4.8mm Round & 8.4mm x 4.6mm Std. Flat
3	5.4mm x 3.0mm Micro Flat

12 Mounting Bracket	
Code	Code Description
A	Universal Mounting Bracket

Optical Component - 3 digit code

L01	No optical comp installed, (1) splice chip & (1) 40mm x 7mm x 4mm Splitter Chip
L02	TBD - Future config place holder
102	1x2 Splitter
104	1x4 Splitter
T01	21dB 99/1 TAP WITH 1X2 SPLITTER DROP PORTS
T02	19dB 98/2 TAP WITH 1X2 SPLITTER DROP PORTS
T03	17dB 97/3 TAP WITH 1X2 SPLITTER DROP PORTS
T04	15dB 95/5 TAP WITH 1X2 SPLITTER DROP PORTS
T05	14dB 94/6 TAP WITH 1X2 SPLITTER DROP PORTS
T06	12dB 90/10 TAP WITH 1X2 SPLITTER DROP PORTS
T07	10dB 80/20 TAP WITH 1X2 SPLITTER DROP PORTS
T08	8dB 75/25 TAP WITH 1X2 SPLITTER DROP PORTS
T09	7dB 70/30 TAP WITH 1X2 SPLITTER DROP PORTS
T10	5dB 60/40 TAP WITH 1X2 SPLITTER DROP PORTS
T11	4dB 1X2 SPLITTER DROP PORTS - TERMINATOR TAP
T12	21dB 99/1 TAP WITH 1X4 SPLITTER DROP PORTS
T13	19dB 98/2 TAP WITH 1X4 SPLITTER DROP PORTS
T14	17dB 97/3 TAP WITH 1X4 SPLITTER DROP PORTS
T15	15dB 95/5 TAP WITH 1X4 SPLITTER DROP PORTS
T16	13dB 93/7 TAP WITH 1X4 SPLITTER DROP PORTS
T17	11dB 90/10 TAP WITH 1X4 SPLITTER DROP PORTS
T18	10dB 85/15 TAP WITH 1X4 SPLITTER DROP PORTS
T19	9dB 80/20 TAP WITH 1X4 SPLITTER DROP PORTS
T20	7dB 1X4 SPLITTER DROP PORTS - TERMINATOR TAP

PEACOC® Clamshell Hardened Terminal (CHT)



Description

Go!Foton's innovative CHT offers hardened fiber terminal functionality using standard fiber drop cables and connectors no hardened connectors required! The clamshell terminal design provides IP68 protection for each individual fiber connection while providing fast, easy, and secure access to deploy fiber networks quickly and proficiently. CHT offers a compact design to fit into small spaces for any OSP or ISP environment and is available in 4 port and 8 port versions with a variety of mounting options and cable stub lengths for applications in FTTx , Wireless, and other fiber networks. It's reliable high density, hardened connectivity - that works!

Features

- Hardened connectivity using standard LC, SC, and MPO fiber connectors
- Compatible with any standard universal drop cable
- Isolated individual connector ports, each in a dedicated IP68 chamber with reliable clasp latching
- Compact 4-Port and 8-Port configurations
- 1X4 and 1X8 splitter versions for distributed split architectures
- Pole, Wall, Pedestal, Manhole, Handhole and Strand mountable
- Compliant with GR-771 and IEC 60529 (IP68)

Applications

- Telecommunications & Data Communications networks
- Ideal for 5G, Small Cell, Rural, and DAS Networks
- FTTH, FTTA and MDUs
- External or Concealed within Pole Mounting

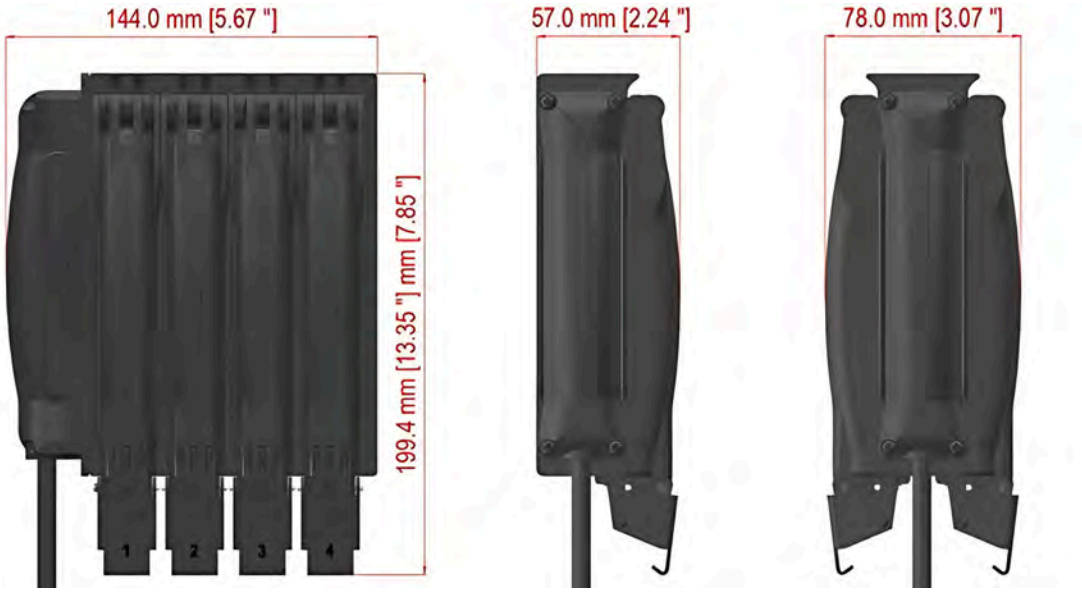
Benefits

- Reduces the need for splicing in the OSP environment
- Eliminates dependance on hardened connectors
- Shortens lead-times with standard universal drop cables and connectors
- Diversifies supply chain using standard fiber cables
- Simplifies inventory management
- Deploys in a broad applications space across any OSP, 5G and FTTx network

Specifications

Parameter	Specification
Fiber Capacity (drops)	4 Ports (1 row) 8 Ports (2 row)
Adapter Type(s)	SC/APC, SC/UPC, LC/APC, LC/UPC MPO
PreStubbed Lengths Outer Dimensions	50 - 2500 feet 4-Ports: 5.67" x 7.85" x 2.24" 8-Ports: 5.67" x 7.85" x 3.07"
Operating Temperature	-40 C to +70 C
Mounting Options	Pole, Wall, Strand, Pedestal, Handhole, Manhole
Cover	Individual Latched Chambers
Color	Black
Packaging	Rotating Spool in a Carton (2 options) • Standard Spool: Pull stub end • Reverse Spool: Pull terminal

Product Dimensions



Ordering Guide

P C H T | 3 | 4 | 5 | 6 | 7 | 8

3 Number of Ports

Code	Code Description
4	4 PORTS (1 Row)
8	8 PORTS (2 Rows)
A	1x4 SPLITTER (1 Row)
B	1x8 SPLITTER (2 Rows)

4 Adapter Type

Code	Code Description
1	SC/UPC (Blue) Simplex
2	SC/APC (Green) Simplex
3	LC/UPC (Blue) Simplex
4	LC/APC (Green) Simplex

5 F1 Cable Input Type

Code	Code Description
F	Flat Dielectric Cable
T	Flat Toneable Cable
R	Round Dielectric Cable
A	Round Armored Cable

6 Reel Package Type

Code	Code Description
S	Standard Spool (Pull Stub End)
R	Reverse Spool (Pull Terminal End)

7 Unit of Measurement

Code	Code Description
F	Feet
M	Meters
K	Kilometers

8 Stub Cable Length

Code	Code Description
---	3-Digit Length

Note: Customer Code and Product Series is only applicable for products which are not covered by the standard specification.

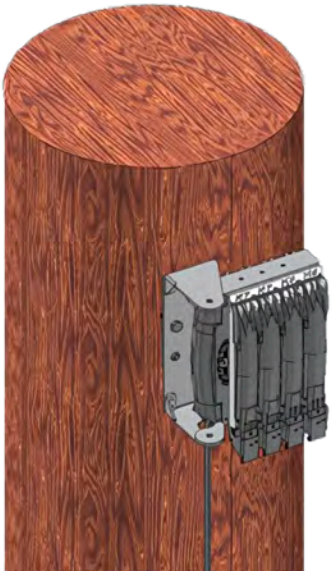
Splitter Specifications

Parameter	Specifications	
Operating Wavelength	1260~1620nm	
Configuration	1x4	1x8
Insertion Loss	≤ 7.2 dB	≤ 10.9 dB
Uniformity	≤1.0 dB	≤1.0 dB
Polarization Dependent Loss	≤0.2 dB	≤0.3 dB
Return Loss	≥50 dB	
Optical Power Handling	≤ 500 mW	
Standards	GR-1209/GR 1221	

Mounting Options

4CH POLE MOUNT

4CH STRAND MOUNT



8CH POLE MOUNT

8CH STRAND MOUNT

Mounting Bracket Ordering Guide (when ordering separately from CHT):

Model Code	Description
PCHTMP4	CHT MOUNT BRACKET 4-PORT FOR POLE WALL PED
PCHTMP8	CHT MOUNT BRACKET 8-PORT FOR POLE WALL PED
PCHTMS4	CHT MOUNT BRACKET 4-PORT STRAND
PCHTMS8	CHT MOUNT BRACKET 8-PORT STRAND

PEACOC® Mid-Span Clamshell Hardened Terminal (M-CHT)

Description

The flexible PEACOC® M-CHT offers simple splice-in with plug-and-play hardened fiber connectivity using standard fiber drops in a compact yet versatile design without requiring proprietary/hardened connectors. It is ideal for fast fiber installation and quick turn-up of field connections in an extremely small terminal with guaranteed quality and performance. Available with four feeder/branch ports, four or eight drop ports, passive optical component integration, and single or mass fusion splicing, thisunit is ideal any for telecommunication, FTTx, or wireless fiber network. It's reliable high-density, hardened connectivity - **that works!**

Features

- Hardened connectivity using standard LC & SC connectors
- Compact design - very small in size
- Isolated individual IP68 connector ports
- Reliable and rugged clasp latching
- Separate sealed compartment for feeder cable
- Four cable entry/exit ports for feeder & branch cables
- Both single fiber and mass-fusion splice options
- Suitable for housing Splitters, Engineered TAPs, & WDMs
- Holds up to 7 feet of cable/buffer slack for a 144F cable
- Pole, Wall, Pedestal, Manhole, and Strand mountable
- Compliant with GR-771 and IEC 60529 (IP68)

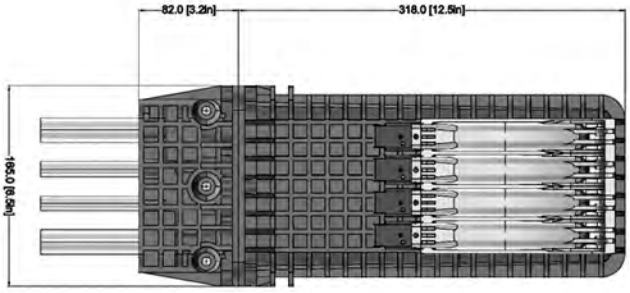
Applications

- Telecommunications & Data Communications networks
- Ideal for 5G, Small Cell, Rural, and DAS Networks
- FTTH, FTTA and MDUs

Specifications

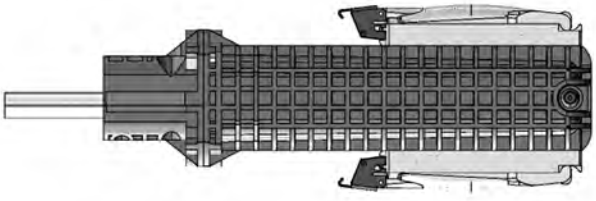
Parameter	Specifications
Cable Entry/Exit Ports	Feeder (x2): 11~20mm diameter
	Branch (x2): 3~12mm diameter
Connectorized Drop Ports	4-Ports or 8-Ports
Adapter Type(s)	SC/APC & SC/UPC
	LC/APC & LC/UPC
Supported Drop Cables	Round: 3mm and 4.8mm
	Flat: 5.4 x 3.0mm and 8.1 x 4.6mm (with anchor plate)
Splice Capacity	Up to 24 single fiber (loose-tube) splices
(when no optical components are included)	Up to 12 mass fusion (ribbon) splices
Outer Dimensions	4-Ports: 15.7" X 6.5" X 5.2"
	8-Ports: 15.7" X 6.5" X 6.0"
Operating Temperature	-40°C to +70°C
Mounting Options	Pole/Wall, Strand, Pedestal, Handhole
Color	Black
Functional Options	Loose-tube and Ribbon Splice
	PLC Splitter
	Engineered TAPs
Standards	GR-771 and IEC 60529 (IP68)

Product Dimensions



4-PORTS /8-PORTS
(FRONT VIEW)

4-PORTS (TOP VIEW)



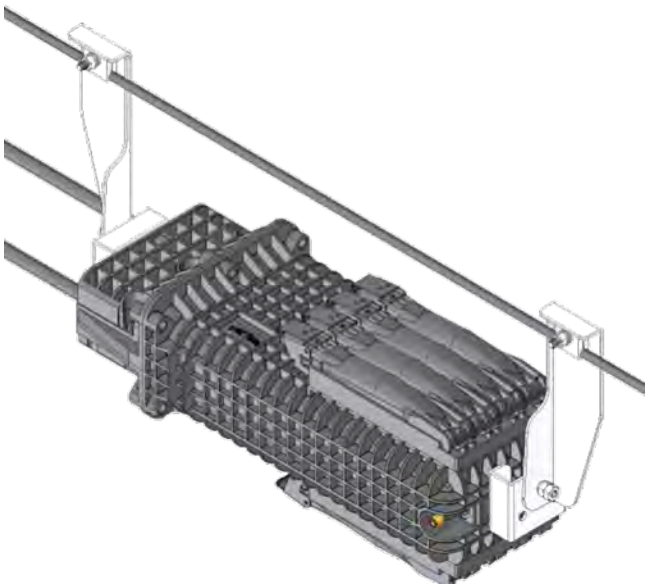
8-PORTS (SIDE VIEW)

8-PORTS (TOP VIEW)

Mounting Bracket Ordering Guide (when ordering separately from M-CHT):

Model Code	Description
PMHTMP	M-CHT MOUNT BRACKET FOR POLE WALL PED
PMHTMS	M-CHT MOUNT BRACKET FOR CABLE STRAND

POLE/ WALL MOUNT



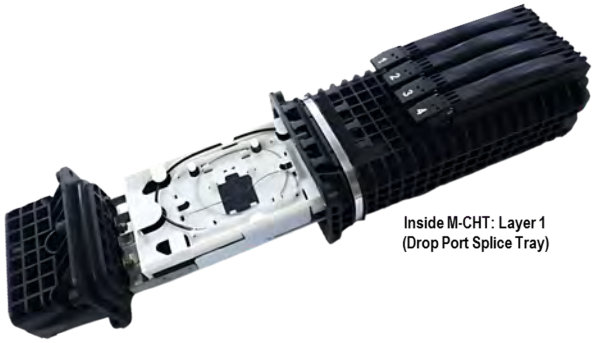
STRAND MOUNT

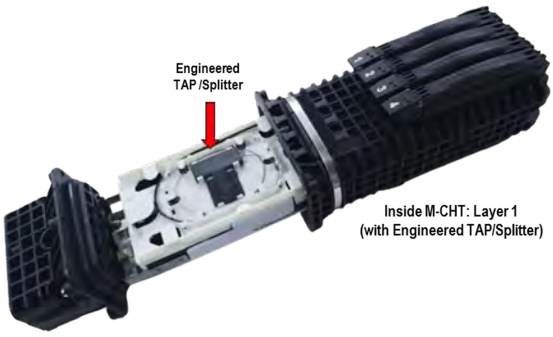
Product Views (drop ports):

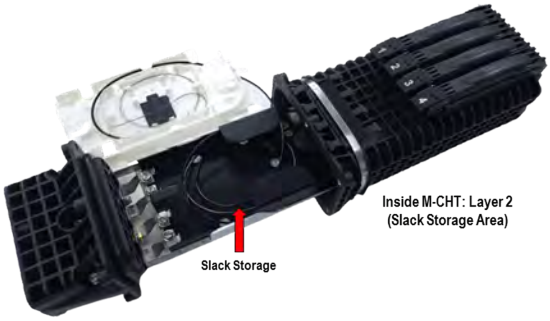
M-CHT
(Front View)

M-CHT
(Drop Port Access)

Product Views (feeder/branch cable area):







Ordering Guide for Standard M-CHT

P M H T 3 4 5 6

3 Number of Ports

Code	Code Description
4	4 Ports
8	8 Ports

4 Adapter Type

Code	Code Description
1	SC/UPC (Blue) Simplex
2	SC/APC (Green) Simplex
3	LC/UPC (Blue) Simplex
4	LC/APC (Green) Simplex

5 Terminal Type

Code	Code Description
L	Loose Tube Splice
R	Ribbon Splice

6 Mounting Bracket Type

Code	Code Description
P	Pole/Wall/Pedestal
C	Cable/Strand
S	None

Note: Customer Code and Product Series is only applicable for products which are not covered by the standard specification.

Ordering Guide for M-CHT with Splitters

P M H T [3] [4] S [5] [6]

3 Number of Ports	
Code	Code Description
A	4 Ports
B	8 Ports

4 Adapter Type	
Code	Code Description
1	SC/UPC (Blue) Simplex
2	SC/APC (Green) Simplex
3	LC/UPC (Blue) Simplex
4	LC/APC (Green) Simplex

5 Splitter Module Configuration	
Code	Code Description
102	1 set of 1x2
202	2 sets of 1x2
302	3 sets of 1x2
402	4 sets of 1x2
104	1 set of 1x4
204	2 sets of 1x4
108	1 set of 1x8

6 Mounting Bracket Type	
Code	Code Description
P	Pole/Wall/Pedestal
C	Cable/Strand
S	None

Note: Customer Code and Product Series is only applicable for products which are not covered by the standard specification.

Splitter Specifications:

PARAMETER	SPECIFICATION		
Operating Wavelength Range	1260~1620nm		
Configuration	1x2	1x4	1x8
Insertion Loss	≤ 4.0 dB	≤ 7.2 dB	≤ 10.9 dB
Uniformity	≤0.8 dB	≤1.0 dB	≤1.0 dB
Polarization Dependent Loss	≤0.2 dB	≤0.3 dB	≤0.3 dB
Return Loss	≥50 dB		
Optical Power Handling	≤ 300 mW		
Standards	GR-1209/GR-1221		

IL and RL includes connectors*

Ordering Guide for M-CHT with Engineered TAPs

P M H T 3 4 T 5 6

3 Number of Ports

Code	Code Description
4	4 Ports
8	8 Ports

4 Adapter Type

Code	Code Description
1	SC/UPC (Blue) Simplex
2	SC/APC (Green) Simplex
3	LC/UPC (Blue) Simplex
4	LC/APC (Green) Simplex

5 TAP Splitter Type

Code	Code Description
--	2 Digits Numeric Code (Refer to TAP Ordering Guide)

6 Mounting Bracket Type

Code	Code Description
P	Pole/Wall/Pedestal
C	Cable/Strand
S	None

Note: Customer Code and Product Series is only applicable for products which are not covered by the standard specification.

Please refer to pages 48-49 for TAP Ordering Guide and TAP Optical Specifications

Clamshell Hardened Terminal Drop Cables

Description

Go!Foton's drop cables are designed to complement Go!Foton's Clamshell Hardened Terminal (CHT) for connecting the CHT and M-CHT to the subscriber network interface. These drop cables use standard connectors – no hardened connectors required! The durable round I/O and flat OSP cables clamp directly to the hardened terminal providing reliability and performance. The Go!Foton Clamshell Hardened Terminal Drop Cables are designed and tested to exceed industry standards. We provide experience, technical application support, competitive pricing, and On Time delivery.

Benefits

- Factory terminated standard connector solution to reduce installation time
- Field Installable connector kits available for field termination or restoration if needed.
- Installed directly to Clamshell Hardened Terminal without using hardened connectors
- Deploys in a broad applications space across any OSP, 5G and FTTx networks

Features

- Round 3.0mm & 4.8mm ruggedized indoor/outdoor drop cables utilize bend insensitive fibers
- Factory terminated micro flat dielectric 5.4mm x 3.0mm & micro flat toneable 7.6mm x 3.0mm drop cables
- Offers 8.1mm x 4.6mm flat dielectric and 10.1mm x 4.6mm toneable flat drop cable transitioned to 4.8mm round cable for direct installation to similar terminals on the market

Applications

- Telecommunications & Data Communications Networks
- Ideal for 5G Small Cells, Rural and DAS Networks
- FTTH, FTTA, and MDUs
- CATV Video Systems and Optical LANNetworks

Specifications

PARAMETER	SPECIFICATION					
Drop Cable Type	3.0mm Round Drop	4.8mm Round Drop	Micro Flat Dielectric Drop	Micro Flat Toneable Drop	Flat Dielectric Drop	Flat Toneable Drop
Fiber Type	ITU-T G.657B3 (Singlemode)	ITU-T G.657B3 (Singlemode)	ITU-T G.657A2 (Singlemode)	ITU-T G.657A2 (Singlemode)	ITU-T G.657A2 (Singlemode)	ITU-T G.657A2 (Singlemode)
Jacket Rating	Riser, Indoor/Outdoor	Riser, Indoor/Outdoor	PE, Outdoor	PE, Outdoor	PE, Outdoor	PE, Outdoor
Nominal OD	2.9mm	4.8mm	3.0mm x 5.4mm	3.0mm x 6.5mm	8.1mm x 4.6mm	10.1mm x 4.6mm
Cable Structure					Indoor Rated Inner Sheath Outdoor Rated Inner Sheath	Indoor Rated Inner Sheath Outdoor Rated Inner Sheath
Nominal Weight	6.5 kg/km	21.5 kg/km	12.0 kg/km	16.0 kg/km	40.5 kg/km / 42.0 kg/km	45.2 kg/km / 47.0 kg/km
Tensile Strength	500N (Short-term) 250N (Long-term)		100N (Short-term)		1350N (Short-term) 400N (Long-term)	
Crush Resistance	500N/100mm (Installation) 100N/100mm (Operation)		1000N/100mm (Installation) 100N/100mm (Operation)		1000N/100mm (Installation) 300N/100mm (Operation)	
Temperature Range	-40 to +70°C					
Maximum Attenuation / Wavelengths	≤ 0.35 dB/km @ 1310 nm ≤ 0.21 dB/km @ 1550 nm				≤ 0.36 dB/km @ 1310 nm ≤ 0.22 dB/km @ 1550 nm	
Connectors	LC, SC	SC	SC		SC	
Insertion Loss	SM (APC): ≤0.35dB SM (UPC): ≤0.25dB					
Return Loss	SM (APC): ≥60dB SM (UPC): ≥50dB					

Product Options

3.0MM LC/APC CHT DROP CABLE

3.0MM SC/APC CHT DROP CABLE

4.8MM SC/APC CHT DROP CABLE

FLAT 8.1MM X 4.6MM DIELECTRIC & 10.1MM X 4.6MM TONEABLE DROP CABLE TO 4.8MM ROUND WITH SC/APC

FLAT 8.1MM X 4.6MM DIELECTRIC & 10.1MM X 4.6MM TONEABLE DROP CABLE TO 3.0MM ROUND WITH SC/APC

MICRO FLAT 5.4MM X 3.0MM DIELECTRIC & 6.5MM X 3.0MM TONEABLE DROP CABLE WITH SC/APC

Ordering Guide

J	1	2	3	4	5	6	7	8	9	10

Connector Type End

Code	Code Description
A	FC/APC
B	FC/PC
C	LC/APC
D	LC/PC
E	MU/PC
F	SC/APC
G	SC/PC
H	ST/APC
J	ST/PC
K	CS/UPC
N	MU/APC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Fiber Type

Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	N/A

Cordage Diameter

Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	4.0mm
H	4.8mm
J	Bowtie/ Figure 8
K	5.0mm
L	165um Bare Fiber
P	Others

Jacket Rating

Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count

Code	Code Description
A	1 Fiber (Simplex)
B	2 Fiber (Duplex)

Length Designator

Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

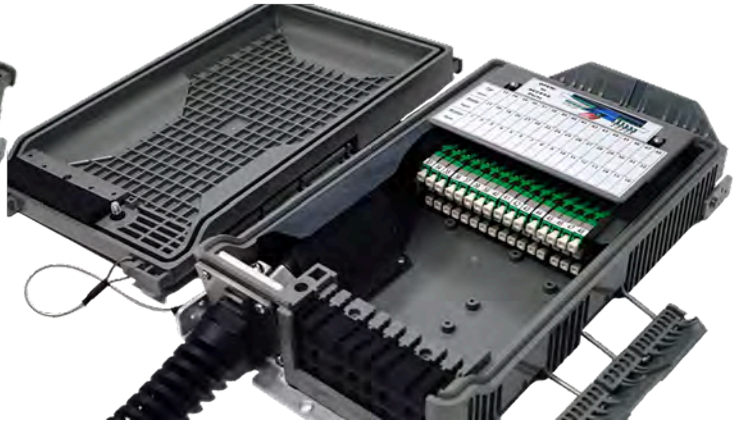
Fiber Length

Code	Code Description
-	3- Digit length Note: Depends on the length requirement

Ordering Information

PART NUMBER	PRODUCT DESCRIPTION
3.0MM DROP CABLES	
JFX4F8AxxxxGFT072	JUMPER 1F SCA-X SMF I/O ROUND DIEL 3.0MM xxxx
JFF4F8AxxxxGFT073	JUMPER 1F SCA-SCA SMF I/O ROUND DIEL 3.0MM xxxx
JCX4F8AxxxxGFT122	JUMPER 1F LCA-X SMF I/O 3.0MM xxxx
JCC4F8AxxxxGFT123	JUMPER 1F LCA-LCA SMF I/O 3.0MM xxxx
4.8MM DROP CABLES	
JFX4H8AxxxxGFT074	JUMPER 1F SCA-X SMF I/O 4.8MM xxxx
JFF4H8AxxxxGFT075	JUMPER 1F SCA-SCA SMF I/O 4.8MM xxxx
JGX4H8AxxxxGFT127	JUMPER 1F SCU-X SMF I/O 4.8MM xxxx
JGG4H8AxxxxGFT128	JUMPER 1F SCU-SCU SMF I/O 4.8MM xxxx
MICRO FLAT DIELECTRIC DROP CABLES	
JFF2P4AxxxxGFT171	JUMPER 1F SCA-SCA SMF OSP DIEL 3X5.4MM xxxx
MICRO FLAT TONEABLE DROP CABLES	
JFF2P4AxxxxGFT211	JUMPER 1F SCA-SCA SMF OSP TONE 3X6.5MM xxxx
FLAT DIELECTRIC TO 3.0MM ROUND DROP CABLES	
JFX3P4AxxxxGFT134	JUMPER 1F SCA-X SMF OSP DIEL 8.1X4.6MM/3MM 11CM/X xxxx
JFF3P4AxxxxGFT135	JUMPER 1F SCA-SCA SMF OSP DIEL 8.1X4.6MM/3MM 11CM/11CM xxxx
FLAT TONEABLE TO 3.0MM ROUND DROP CABLES	
JFX3P4AxxxxGFT134	JUMPER 1F SCA-X SMF OSP TONE 10.1X4.6MM/3MM 11CM/X xxxx
JFF3P4AxxxxGFT135	JUMPER 1F SCA-SCA SMF OSP TONE 10.1X4.6MM/3MM 11CM/11CM xxxx
FLAT DIELECTRIC TO 4.8MM ROUND DROP CABLES	
JFX3P4AxxxxGFT076	JUMPER 1F SCA-X SMF OSP DIEL 8.1X4.6MM/4.8MM 11CM/X xxxx
JFF3P4AxxxxGFT077	JUMPER 1F SCA-SCA SMF OSP DIEL 8.1X4.6MM/4.8MM 11CM/11CM xxxx
JGX3P4AxxxxGFT129	JUMPER 1F SCU-X SMF OSP DIEL 8.1X4.6MM/4.8MM 11CM/X xxxx
JGG3P4AxxxxGFT130	JUMPER 1F SCU-SCU SMF OSP DIEL 8.1X4.6MM/4.8MM 11CM/11CM xxxx
FLAT TONEABLE TO 4.8MM ROUND DROP CABLES	
JFX3P4AxxxxGFT078	JUMPER 1F SCA-X SMF OSP TONE 8.1X4.6MM/4.8MM 11CM/X xxxx
JFF3P4AxxxxGFT079	JUMPER 1F SCA-SCA SMF OSP TONE 8.1X4.6MM/4.8MM 11CM/11CM xxxx
JGX3P4AxxxxGFT131	JUMPER 1F SCU-X SMF OSP TONE 8.1X4.6MM/4.8MM 11CM/X xxxx
JGG3P4AxxxxGFT132	JUMPER 1F SCU-SCU SMF OSP TONE 8.1X4.6MM/4.8MM 11CM/11CM xxxx

PEACOC® Compact OSP Terminal 12/24/32/48 Ports



Description

The Go!Foton PEACOC® Terminal offers high density fiber management in an extremely small yet easily accessible box for fast installation and quick turn-up of field connections with guaranteed quality and performance. Offered with a variety of stubbed outside plant (OSP) cable lengths, this fiber terminal provides versatility for a variety of fiber network applications. Non-stubbed versions deliver simple plug-and-play operability using high quality fiber terminations. A variety of mounting options are also available to provide value and consistency throughout the network. It's high-density fiber management – **that works!**

Features

- Enhanced connector access using PEACOC® spreadable adapter technology
- Pre-terminated solution reduces cable installation costs
- Compact size for concealed applications and tight spaces
- Removable / tethered cover for ease of use
- Pre-stubbed terminal integrated with rotatable spool packaging for simple installation
- Strand, Pole and Wall mounting versatility

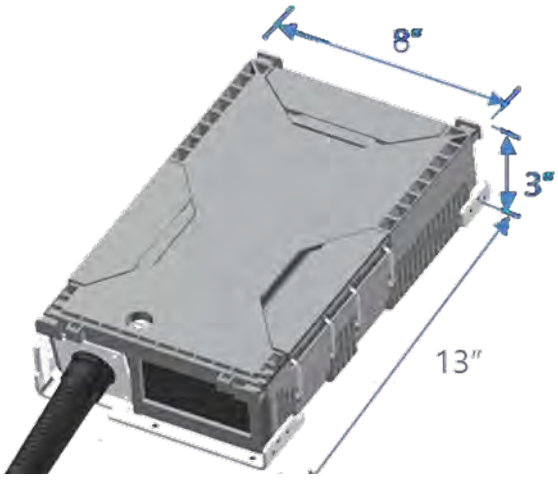
Applications

- Telecommunication and Wireless Networks
- Ideal for 5G, Small Cell, and DAS Networks
- Demarcation terminal between Core Network and Wireless or Access Edge
- FTTA and MDU applications
- 10G /100G networks and beyond
- Strand Mount, Pole Mount and Wall Mount options

Ordering Guide

Parameter	Specification
Outer Dimensions	8“ x 13“ x 3“
Fiber Capacity (input/drops)	12 ~ 48 Fibers
Number of Adapters	12 ~ 48 Simplex / 6 ~ 24 Duplex
Adapter Type(s)	Duplex/Simplex LC APC, LC UPC, SC APC, SC UPC
Pre-Stubbed Lengths	50-500 feet
Optional Non-Stubbed	Also available with non stubbed: LC Terminated, MPO Terminated or Bare Cable for Splicing
Operating Temperature	-40 °C to +70 °C
Mounting Options	Strand, Pole, and Wall Mount
Locking Mechanism	216 tool key
Cover	Hinged with Tether (Field Removable)
Color	Gray
Packaging	Rotating Spool in a Carton: < 500 ft stub Standard Carton for Non Stubbed
Standards	VZ TPR.912 and GR-771

Product Dimensions

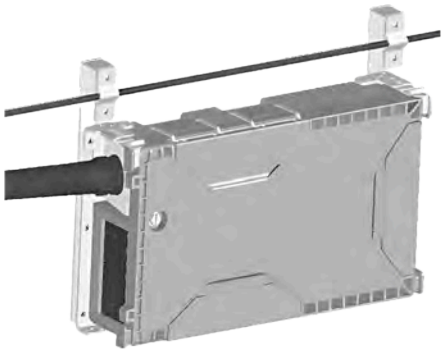


Product Options

Stubbed

Non-Stubbed

Mounting Options



STRAND MOUNT

WALL MOUNT

POLE MOUNT

Ordering Guide

P C T | 3 | 4 | 5 | 6 | 7 | 8

3 Version

Code	Code Description
P	Pre-terminated/ Stubbed
N	Non-Stubbed
M	Non-Stubbed - with MPO input
L	Splice (Loose Tube)
R	Splice (Ribbon)

4 Number of Ports

Code	Code Description
06	6 Ports
12	12 Ports
16	16 Ports
24	24 Ports
36	36 Ports
48	48 Ports

5 Adapter Type

Code	Code Description
1	LC/UPC (Blue) Simplex
2	LC/APC (Green) Simplex
3	LC/UPC (Aqua) Simplex
4	SC/UPC (Blue) Simplex
5	SC/APC (Green) Simplex
6	SC/UPC (Aqua) Simplex
7	MPO (Black)

6 F1 (Input) Cable Type

Code	Code Description
A	12F OSP Loose Tube All Dry
B	12F OSP Ribbon All Dry
C	24F OSP Loose Tube All Dry
D	24F OSP Ribbon All Dry
E	48F OSP Loose Tube All Dry
F	48F OSP Ribbon All Dry
G	12F OSPArmored
H	72F Indoor Loose Tube
J	72F Indoor Ribbon
K	144F Indoor Loose Tube
L	144F Indoor Ribbon

7 Unit of Measurement

Code	Code Description
F	Feet
M	Meters
K	Kilometers

8 Stub Cable Length

Code	Code Description
___	3-Digit Length

Note: Customer Code and Product Series is only applicable for products which are not covered by the standard specification.

EXAMPLE ORDER CODE

Order Code: PCTN122
Description: OSP Compact Terminal Non Non-Stubbed Version 12 12-Ports LC/APC Adapters only

Order Code: PCTP122AF100
Description: OSP Compact Terminal Stubbed version 12 12-Ports LC/APC 100 Feet

PEACOC® Compact OSP Splitter Terminal

Splitter Specifications

Parameter	1X4	1X8	1X16	1X32
Operating Wavelength	1260~1620nm			
Insertion Loss	≤ 7.2 dB	≤ 10.9 dB	≤ 14.1 dB	≤ 17.0 dB
Uniformity	≤1.0 dB	≤1.0 dB	≤1.0 dB	≤1.4 dB
Polarization Dependent Loss	≤0.2 dB	≤0.3 dB	≤0.3 dB	≤0.3 dB
Wavelength Dependent Loss	≤0.3 dB			
Return Loss	≥50 dB			
Directivity	≥55 dB			
Optical Power Handling	≤ 500 mW			
Splitter Capacity	See table below			
Outer Dimensions	8" x 13" x 3"			
Adapter Type(s)	Duplex/Simplex or LC/APC Simplex SC/APC or SC/UPC			
Standards	GR-1209/GR-1221			

Splitter Capacity (per Compact OSP Terminal)

Splitter Type	Max Splitter Capacity
1x4	4
1x8	2
1x16	1
1x32	1
Splitter Combinations:	3 (1x4) and 1 (1x8)
	2 (1x4) and 2 (1x8)
	3 (1x4) and 1 (1x16)
	1 (1x8) and 1 (1x16)
	1 (1x4), 1 (1x8), and 1 (1x8)
	(others possible, please contact GoIFoton)

PEACOC® Compact OSP Splitter Terminal

Ordering Guide

4 Number of Output Ports	
Code	Code Description
04	4 Ports
08	8 Ports
12	12 Ports
16	16 Ports
24	24 Ports
32	32 Ports
__	2-digit code for the no. of output ports

5 Adapter Type	
Code	Code Description
C	LC/UPC (Blue) Duplex
D	LC/APC (Green) Duplex
E	SC/UPC (Blue) Simplex
F	SC/APC (Green) Simplex
P	Others

6 Module Configuration	
Code	Code Description
104000	1 set of 1x4
204000	2 sets of 1x4
304000	3 sets of 1x4
404000	4 sets of 1x4
108000	1 set of 1x8
208000	2 sets of 1x8
116000	1 set of 1x16
132000	1 set of 1x32
104108	1 set of 1x4 and 1 set of 1x8
204108	2 sets of 1x4 and 1 set of 1x8
304108	3 sets of 1x4 and 1 set of 1x8
104208	1 set of 1x4 and 2 sets of 1x8
204208	2 sets of 1x4 and 2 sets of 1x8
104116	1 set of 1x4 and 1 set of 1x16
204116	2 sets of 1x4 and 1 set of 1x16
304116	3 sets of 1x4 and 1 set of 1x16
108116	1 set of 1x8 and 1 set of 1x16
_____	6-digit code for custom configuration

Note: Customer Code and Product Series is only applicable for products which are not covered by the standard specification.

EXAMPLE ORDER CODE

Order Code: PCTS08B108000
Description: OSP Compact Terminal 8-Ports with 1 set of 1x8 splitter and LC/APC green simplex adapters

Order Code: PCTS32C108116

Description: OSP Compact Terminal 32-Ports with 1 set of 1x8 splitter and 1 set of 1x16 splitter and LC/UPC blue duplex adapters

PEACOC® Compact OSP DWDM Terminal

Optical Specifications

Parameter		4CH	8CH/12CH	16CH	20CH
Operating Wavelength			ITU		
Channel Spacing			100 GHz		
Pass band Wavelength	DWDM		ITU		
	Express		1260~1520 and 1570~1635		
	Upgrade		1528~1565 (Except C59~C20 Channels)		
Passband Bandwidth			λc ±0.12nm		
Max Insertion Loss	DWDM	≤2.0 dB	≤3.0 dB	≤3.5 dB	≤4.0 dB
	Express		≤1.0 dB		
	Upgrade		≤3.0 dB		
Monitoring Port Insertion Loss	MUX		20 ~ 25 dB		
	DEMUX		18~22 dB (19 ~ 21 dB typ.)		
Uniformity		≤1.0 dB	≤1.0 dB	≤2.0 dB	
Passband Ripple			≤0.5 dB		
Adjacent Channel Isolation			≥28 dB		
Non Adjacent Channel Isolation			≥45 dB		
Upgrade Port Isolation			≥12 dB		
Express Port Isolation			≥12 dB		
Polarization Dependent Loss		≤ 0.20 dB	≤ 0.20 dB	≤ 0.25 dB	
Return Loss			≥45 dB		
Directivity	DWDM		≥55 dB		
	Express		≥45 dB		
Optical Power Handling			≤ 500 m W		
Adapter Type(s)			Duplex/Simplex LC/APC or LC/UPC Simplex SC/APC or SC/UPC		
Standards			GR-1209/1221		

NOTE: ***All insertion losses are specified without connectors unless stated otherwise (connector loss ≤0.3dB).***

Mounting Options

DWDM Terminal

PEACOC® Compact OSP DWDM Terminal

Ordering Guide

P	C	T	D	4	5	6	7	8	9

4 Adapter Type

Code	Code Description
A	LC/UPC (Blue) Simplex
B	LC/APC (Green) Simplex
C	LC/UPC (Blue) Duplex
D	LC/APC (Green) Duplex
E	SC/UPC (Blue) Simplex
F	SC/APC (Green) Simplex
P	Others

5 Configuration Type

Code	Code Description
1	No Test Port
2	with Single Test Port (STP)
3	with Dual Test Port (DTP)
4	with Express Port (EXP)
5	with Upgrade Port (UPG)
6	with UPG + DTP
7	with EXP + DTP
8	with EXP + UPG + DTP
9	Custom Configuration

6 Channel Configuration

Code	Code Description
A1M	1x4CH Mux
A1D	1x4CH Demux
B1M	Dual 1x4CH Mux
B1D	Dual 1x4CH Demux
C1M	Triple 1x4CH Mux
C1D	Triple 1x4CH Demux
D1M	Quad 1x4CH Mux
D1D	Quad 1x4CH Demux
A2M	1x8CH Mux
A2D	1x8CH Demux
B2M	Dual 1x8CH Mux
B2D	Dual 1x8CH Demux
A3M	1x12CH Mux
A3D	1x12CH Demux
B3M	Dual 1x12CH Mux
B3D	Dual 1x12CH Demux
B4M	1x16CH Mux
B4D	1x16CH Demux
B5M	Dual 1x16CH Mux
B5D	Dual 1x16CH Demux
___	Other combination

7 Channel ID

Code	Code Description
C	C-Band

8 Shortest Channel

Code	Code Description
XX	Channel number of the shortest wavelength

9 Longest Channel

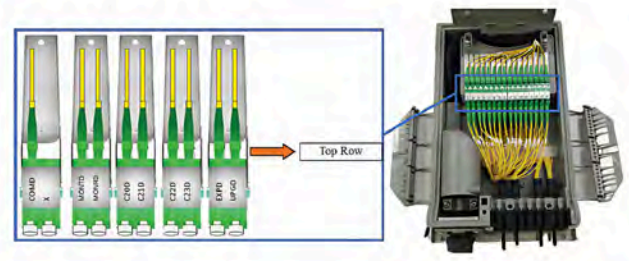
Code	Code Description
YY	Channel number of the longest wavelength

Note: Customer Code and Product Series is only applicable for products which are not covered by the standard specification.

EXAMPLE ORDER CODE

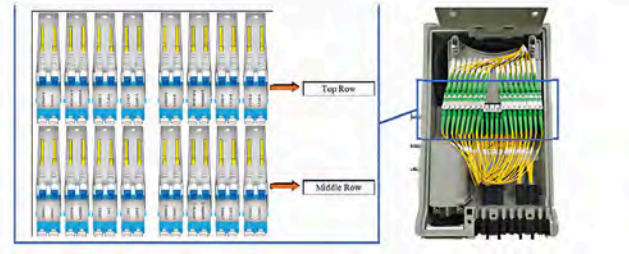
Order Code: PCTDD8A1DC2320

Description: OSP Compact Terminal DWDM 100G 1x4CH Demultiplexer ITU23 ~ ITU20 with EXP+ UPG+DTP LC/APC in LC Green Duplex Adapters



Order Code: PCTDD8A1DC2320

Description: OSP Compact Terminal DWDM 100G 1x4CH Demultiplexer ITU23 ~ ITU20 with EXP+ UPG+DTP LC/APC in LC Green Duplex Adapters



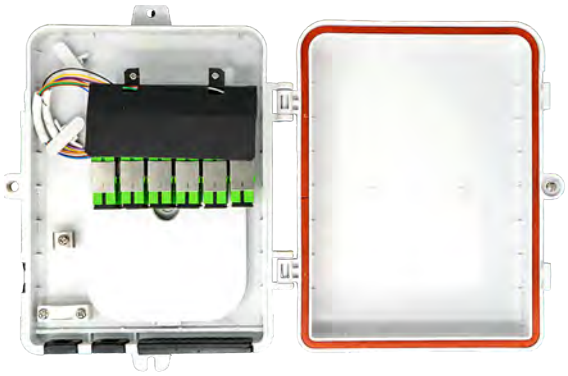
PEACOC® Small Fiber Terminal

Description

The Go!Foton PEACOC® Small Indoor Fiber Terminal offers high-density fiber management in an extremely small yet easily accessible enclosure for fast installation, easy access, and quick turn-up of field connections with quality and performance. This terminal delivers simple plug-and-play operability for use in any fiber network application –ideal for customer premise and MDUs. It's high-density fiber management – **that works!**

Features

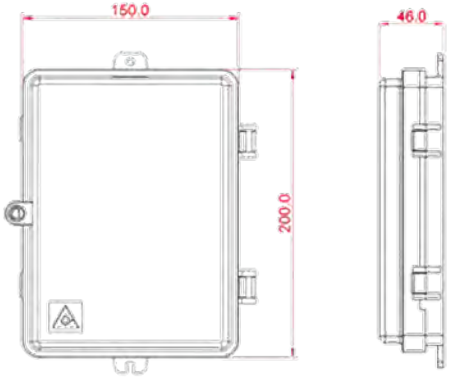
- Enhanced connector access using PEACOC® spreadable adapter technology
- Extremely small & compact size
- Up to 24 LC drop ports (simplex or duplex) or 12 SC drop ports (simplex)
- Pre-stubbed or Non-stubbed options available
- Field installable feeder cable: splice or connectorized
- Integrated optical components: PLC Splitters, DWDMs and Engineered TAPs

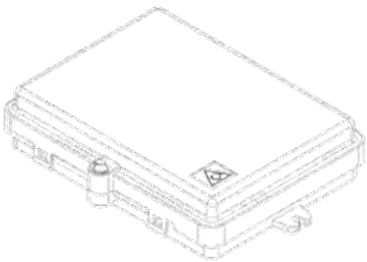


Applications

- Suitable for use in any fiber network
- Ideal for 5G, Small Cell, and DAS Networks
- FTTA and MDU applications
- HFC networks
- 10G/100G networks and beyond

Product Dimensions



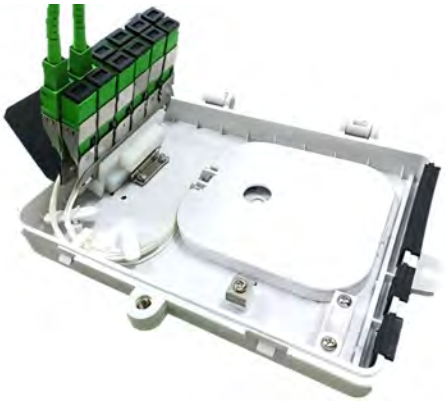


PEACOC® Small Fiber Terminal

Configuration Options

12 / 24 Port with LC Duplex

6 / 12 Port with LC Duplex and Splice Tray



6 / 12 Port with SC Simplex and Splice Tray

PEACOC® Small Fiber Terminal

Standard Terminal Specifications

Parameter	Specification
Outer Dimension	7.9" x 5.9" x 1.8" (200mm x 150mm x 46mm)
Adapter Type(s)	LC/APC and LC/UPC Simplex or Duplex SC/APC and SC/UPC Simplex
Number of Ports	Up to 24 LC or 12 SC
Fiber Capacity (Patching)	Up to 24 Fibers (LC) or 12 Fibers (SC)
Fiber Capacity (Splicing)	Up to 12 Fibers (LC or SC)
Mounting Options	Wall-Mount
Locking Mechanism	Screw Key
Color	White
Material Rating	UL94V-0
Operating Temperature	-40ºC to +60ºC
IP Rating	IP63

Ordering Guide

P S T | 3 | 4 | 5 | 6 | 7 | 8

3 Version

Code	Code Description
P	Pre-terminated/ Stubbed
N	Non-Stubbed
L	Splice (Loose Tube)

4 Number of Ports

Code	Code Description
__	2-digit code

5 Adapter Type

Code	Code Description
1	LC/UPC (Blue) Duplex
2	LC/APC (Green) Duplex
3	SC/UPC (Blue) Simplex
4	SC/APC (Green) Simplex

6 F1 (Input) Cable Type

Code	Code Description
A	12F I/O Loose Tube
B	12F I/O Ribbon
C	24F I/O Loose Tube
D	24F I/O Ribbon
E	12F MPO F1 input

7 Unit of Measurement

Code	Code Description
F	Feet
M	Meters
K	Kilometers

8 Stub Cable Length

Code	Code Description
___	3-Digit Length

PEACOC® Small Fiber Terminal

Splitter Terminal Specifications

Parameter	Specification		
Operating Wavelength	1260~1620nm		
Insertion Loss	≤ 7.2 dB	≤ 10.9 dB	≤ 14.1dB
Uniformity	≤1.0 dB	≤1.0 dB	≤1.0 dB
Polarization Dependent Loss	≤0.2dB	≤0.3dB	≤0.3dB
Wavelength Dependent Loss	≤0.3D b		
Return Loss	≥50 dB		
Directivity	≥55 dB		
Optical Power Handling	≤ 500 m W		
Splitter Capacity	See table below		
Outer Dimensions	8" x 13" x 3"		
Standards	GR-1209/GR-1221		

Ordering Guide

P S T S [4] [5] X [7]

4 Number of Ports

Code	Code Description
__	Number of Ports (2-Digit code)

5 Adapter Type

Code	Code Description
1	LC/UPC (Blue) Simplex
2	LC/APC (Green) Simplex
3	SC/UPC (Blue) Simplex
4	SC/UPC (Green) Simplex

7 Splitter Module Configuration

Code	Code Description
104	1 Set of 1x4
204	2 Sets of 1x4
304	3 Sets of 1x4
404	4 Sets of 1x4
108	1 Set of 1x8
208	2 Sets of 1x8
116	1 Set of 1x16

PEACOC® Small Fiber Terminal

DWDM Terminal Specifications

Parameter		4CH	8CH
Operating Wavelength		ITU	
Channel Spacing		100 GHz	
Pass band Wavelength	DWDM	ITU	
	Express	1260~1520 and 1570~1635	
	Upgrade	1528~1565 (Except C59~C20 Channels)	
Passband Bandwidth		λc ±0.12nm	
Max Insertion Loss	DWDM	≤2.0 dB	≤3.0 dB
	Express	≤1.0 dB	
	Upgrade	≤3.0 dB	
Test Port Insertion Loss	MUX	20 ~ 25 dB	
	DEMUX	18~22 dB (19 ~ 21 dB typ.)	
Uniformity		≤1.0 dB	≤1.0 dB
Passband Ripple		≤0.5 dB	
Adjacent Channel Isolation		≥28 dB	
Non-Adjacent Channel Isolation		≥45 dB	
Upgrade Port Isolation		≥12 dB	
Express Port Isolation		≥12 dB	
Polarization Dependent Loss		≤ 0.20 dB	≤ 0.20 dB
Return Loss		≥45 dB	
Directivity	DWDM	≥55 dB	
	Express	45 dB	
Optical Power Handling		≤ 500 m W	
Standards		GR-1209/1221	

Ordering Guide

P S T D | 4 | 5 | 6 | 7 | 8

4 Number of Channels

Code	Code Description
--	Number of User Channels (2-Digit Code)

5 Adapter Type

Code	Code Description
1	LC/UPC (Blue) Simplex
2	LC/APC (Green) Simplex
3	SC/UPC (Blue) Simplex
4	SC/UPC (Green) Simplex

6 Configuration Type

Code	Code Description
X	Test Ports
S	Single Test Port (STP)
D	Dual Test Ports (DTP)
E	Express Ports (EXP)
U	Upgrade Port (UPG)
C	UPG + DTP
B	EXP + DTP
A	EXP + UPG + DTP
P	Custom Configuration

7 Shortest Channel

Code	Code Description
XX	Channel number of the shortest wavelength (DWDMs)

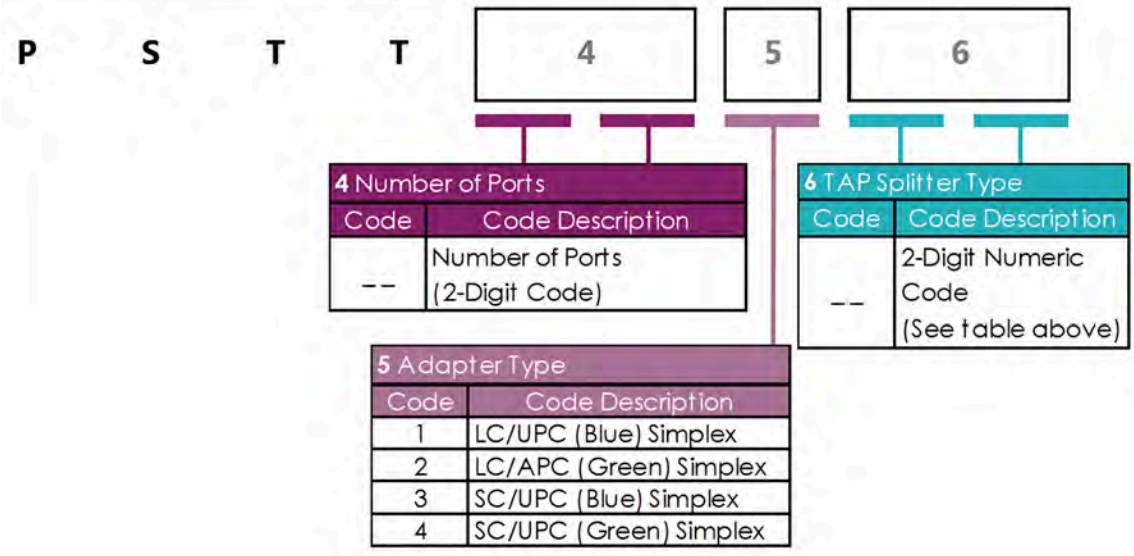
8 Longest Channel

Code	Code Description
YY	Channel number of the Longest wavelength (DWDMs)

PEACOC® Small Fiber Terminal
Engineered TAP Terminal Specifications

Code	TAP Value	TAP Module Description
		MODULE WITH 2-DROP PORTS
1	21 dB	99/1 TAP WITH 1X2 SPLITTER DROP PORTS
2	19 dB	98/2 TAP WITH 1X2 SPLITTER DROP PORTS
3	17 dB	97/3 TAP WITH 1X2 SPLITTER DROP PORTS
4	15 dB	95/5 TAP WITH 1X2 SPLITTER DROP PORTS
5	14 dB	94/6 TAP WITH 1X2 SPLITTER DROP PORTS
6	12 dB	90/10 TAP WITH 1X2 SPLITTER DROP PORTS
7	10 dB	80/20 TAP WITH 1X2 SPLITTER DROP PORTS
8	8 dB	75/25 TAP WITH 1X2 SPLITTER DROP PORTS
9	7 dB	70/30 TAP WITH 1X2 SPLITTER DROP PORTS
10	5 dB	60/40 TAP WITH 1X2 SPLITTER DROP PORTS
11	4 dB	1X2 SPLITTER DROP PORTS - TERMINATOR TAP
		MODULE WITH 4-DROP PORTS
12	21 dB	99/1 TAP WITH 1X4 SPLITTER DROP PORTS
13	19 dB	98/2 TAP WITH 1X4 SPLITTER DROP PORTS
14	17 dB	97/3 TAP WITH 1X4 SPLITTER DROP PORTS
15	15 dB	95/5 TAP WITH 1X4 SPLITTER DROP PORTS
16	13 dB	93/7 TAP WITH 1X4 SPLITTER DROP PORTS
17	11 dB	90/10 TAP WITH 1X4 SPLITTER DROP PORTS
18	10 dB	85/15 TAP WITH 1X4 SPLITTER DROP PORTS
19	9 dB	80/20 TAP WITH 1X4 SPLITTER DROP PORTS
20	7 dB	1X4 SPLITTER DROP PORTS - TERMINATOR TAP
		MODULE WITH 8-DROP PORTS
21	22 dB	99.5/0.5 TAP WITH 1X8 SPLITTER DROP PORTS
22	21 dB	99/1 TAP WITH 1X8 SPLITTER DROP PORTS
23	19 dB	98/2 TAP WITH 1X8 SPLITTER DROP PORTS
24	17 dB	97/3 TAP WITH 1X8 SPLITTER DROP PORTS
25	15 dB	95/5 TAP WITH 1X8 SPLITTER DROP PORTS
26	14 dB	94/6 TAP WITH 1X8 SPLITTER DROP PORTS
27	12 dB	90/10 TAP WITH 1X8 SPLITTER DROP PORTS
28	11 dB	1X8 SPLITTER DROP PORTS - TERMINATOR TAP

Ordering Guide



PEACOC® Small Terminal 360

Description

The PEACOC® Small Terminal 360 (ST360) offers high density fiber management in an extremely small, yet easily accessible enclosure for quick turn-up of field connections. PEACOC spreadable adapter technology provides ample handling space for safe, fast, and error-free installation of drop cables. The internal, rotating cable spool holds up to 120 feet of stub cable for quick deployment or convenient slack storage. For plug-and-play operability and reduced labor costs, the cable stub can be factory terminated with an MPO connector. The PEACOC® ST360 helps fiber networks work smarter, not harder, saving time and money.

Benefits

- Improves turn-up accuracy due to easy fiber access without disruption of other fibers
- Speeds installation and reduces labor costs with MPO plug-and-play connections
- Saves space with small footprint and built-in slack storage capabilities

Features

- High capacity in a compact size (up to12 SC or 24 LC drop ports)
- PEACOC spreadable adapter technology for enhanced connector access
- Pre-stubbed tail lengths up to 1,000 ft with an option for MPO termination
- Internal spool deploys/stores up to 120 ft of 3.0mm fiber cable
- IP63 rated for indoor installation

Applications

- Suitable for use in any fiber network
- FTTA, MDU, and customer premise applications

Specifications

Attributes	Specifications
Drop Port Capacity	Up to 12 SC / 24 LC
Supported drop cables	3.0mm Round
Adapter Type(s)	LC/APC & LC/UPC Duplex, SC/APC & SC/UPC Simplex
Internal Cable Spool Capacity	Up to 120 ft of 3.0mm cable or 75 ft of 3.8mm cable
Locking Mechanism	Standard Phillips Head Screw
Color	White
Operating Temperature	-40°C to +65°C
Mounting Options	Wall Mount
Standards	IP63, ETL
Outer Dimensions	5.9 in x 7.9 in x 3.7 in

Product Dimensions

Ordering Information

P S T | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

4 Stub Connector

Code	Code Description
M	MPO
C	None

5-6 Number of Drop Parts

Code*	Code Description
06	6 Ports
12	12 Ports
16	16 Ports
24	24 Ports

**Maximum of 12 ports for SC or 24 ports for LC*

7 Adapter Type

Code	Code Description
1	LC/UPC Duplex
2	LC/APC Duplex
3	SC/UPC Simplex
4	SC/APC Simplex

8 Stub Cable Type

Code	Code Description
A	12F 3.0mm Riser Rated
B	12F 3.0mm Plenum Rated
C	24F 3.8mm Riser Rated
D	24F 3.8mm Plenum Rated

9 Unit of Length

Code	Code Description
F	Feet
M	Meters

10-12 Stub Cable Length

Code*	Code Description
_ _ _	3-Digit Length

**50 to 1000 ft (50 ft increments)*

Connect or Repair Enclosure (CORE) Kit

Description

The Go!Foton Connect or Repair Enclosure Kit (CORE Kit)offers a versatile and simple solution for deploying single fiber drops, repairing damaged cables, and extending cable runs. Its compact design suits a wide range of applications. This all-in-one kit enables customers to assemble components on-site featuring interchangeable grommets and a splice/adapter tray, it provides unmatched flexibility and adapts effortlessly to various cable types and needs.

Certified to GR-771/IP68 standards, the CORE Kit excels in tough conditions, whether installed below grade, buried, or aerially. Its rugged construction ensures reliability and durability. Ideal for low fiber count applications, its compact size reduces storage and transportation costs while maximizing convenience.

Benefits

- Modular design with interchangeable grommets and splice/adapter tray allow for versatility in cable types and applications
- Compact size and cost-effectiveness ideal for low fiber count applications
- Built to withstand outside plant environments in below grade, buried, and aerial installations with GR-771/IP68 Certifications

Features

- Compact size and cost-effectiveness
- Modular design with interchangeable grommets and splice/adapter tray
- Dual latches & rugged exterior
- GR-771 & IEC 60529 (IP68) rated

Applications

- FTTx networks where single drop connections are deployed near customer premise
- Repair damaged or cut cable in the field
- Extension of cable runs

Specifications

Attributes	Specifications
Cable Entry/Exit Ports	1 in / 1 out
Port Dimensions/Cable Type	3-12mm round, 5.4 x 3.0mm flat, 8.4 x 4.6mm flat, 7mm microduct
Max Splice Capacity	12 single fusion
Outer Dimensions	2.6in x 2.8in x 9.8in
Operating Temperature	-40°C to +65°C
Color	Black
Functional Options	Single drop or cable repair
Installation Options	Below grade, buried, aerial
Standards	GR-771 & IEC 60529 (IP68)

Ordering Information Kit

Model Code	Description
CORE12FXX	CORE Kit, 12F splice

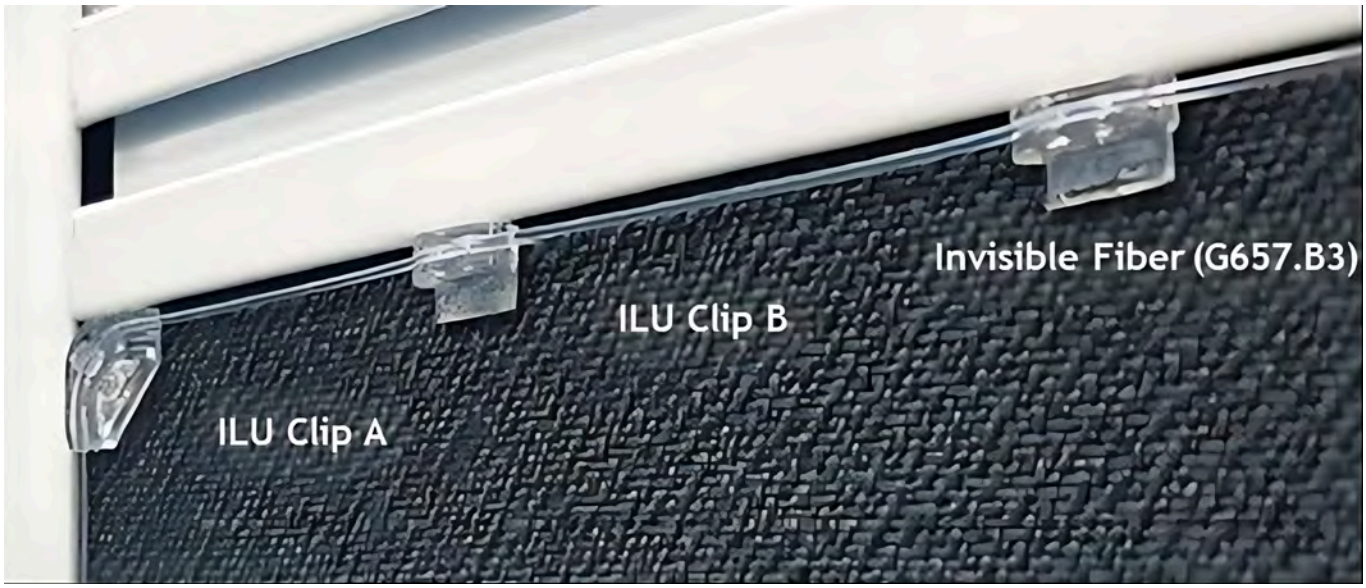
Kit includes:

(1) Enclosure shell set with latches
(2) Plungers
(1) Metal frame
(1) 12F splice tray
(2) Hose clamps
(2) Mesh
(4) Small cable ties
(2) Transition tubes
Grease
Installation instructions

Ordering Information: Accessory Parts

Model Code	Description
PMHTGB010	3-12mm cable grommet 10pcs
7MMGMT010	7mm microduct grommet 10pcs
MFTGMT010	Micro flat 5.4mm x 3.0mm grommet 10pcs
STDGMT010	Std flat 8.4mm x 4.6mm grommet 10pcs
CORESCA005	SC/APC adapter bulkhead 5pcs
CORECMPKIT	Strength member clamp kit
COREBDGKIT	Bonding clamp kit

Fiber!Fast™ Indoor Living Unit (ILU) Solutions



Description

Go!Foton's solution for FTTH development in existing multi-dwelling unit (MDU) buildings.
FiberFast™ is simple and quick solution to install FTTH services in existing living units. Fiber!Fast™does not require drilling or the use of mechanical fasteners, staples, or conduits.

Fiber!Fast™ is a very small form factor, micro-cable consisting of durable, 900um transparent drop cable containing ultra bend-insensitive optical fiber (ITU-T G.657.B3). Fiber!Fast™ is attached to the wall using micro-clips. which are affixed to the wall using adhesive backing. Fiber!Fast™ micro-clips secure the micro-cable to the wall surface, and limit bending that may degrade performance.

Features

- Easy & Fast Installation by one Technician
- No drilling or mechanical fasteners required
- Highly durable, yet easily removed when needed
- Reliable, Ultra Bend-Insensitive Fiber
- Virtually Invisible Installation
- Clips are tested by Telecordia GR-1221-CORE and VZ-TPR-9459 to meet the highest Performance

Applications

- Indoor, Micro-Cable Pathway
- Bring FTTH to existing living units
- Supports Fiber-to-the-Desktop
- Can also be used for schools, hotels, hospitals, or small businesses.

Pathway Creation Toolkit

Translucent Optical Micro-Cable

- 900um, Tight Buffered Micro-Cable
- Ultra Bend-Insensitive Fiber (ITU-T G.657.B3)
- Resilient Buffer Material
- Highly Durable, Engineered Plastic Sheath
- Nearly Invisible Appearance
- Paintable if Desired
- Flame Retardant

Adhesive Clips

- Fasten Micro-Cable to any Wall Surface
- Proprietary Adhesive Backing
- Removable if needed
- Will Not Damage Wall Surfaces
- Transparent Appearance
- Paintable if Desired
- Flame Retardant

Indoor Optical Outlet Box (NIU)

- Easily Installation and Maintenance
- Efficient Inner Space Design
- Suitable Fiber Bending Radius
- Provides Excellent Protection for Optical Fibers
- Fire-proof & Dust-proof
- Options for Adapter and Pigtails

Ordering Information

Part Number	Product Description
JXX4B2AM350B	Optical Fiber ILU 0.9MM350m GR
JA1A1001	Accessory Clip-a Plastic Indoor (Inside Limiters)
JB1A1001	Accessory Clip-B Plastic Indoor (Outside Limiters)
JC1A2B	Indoor Optical Outlet Box

Indoor Optical Outlet Box (NIU)

Description

Indoor Optical Outlet Box (NIU), 2 ports

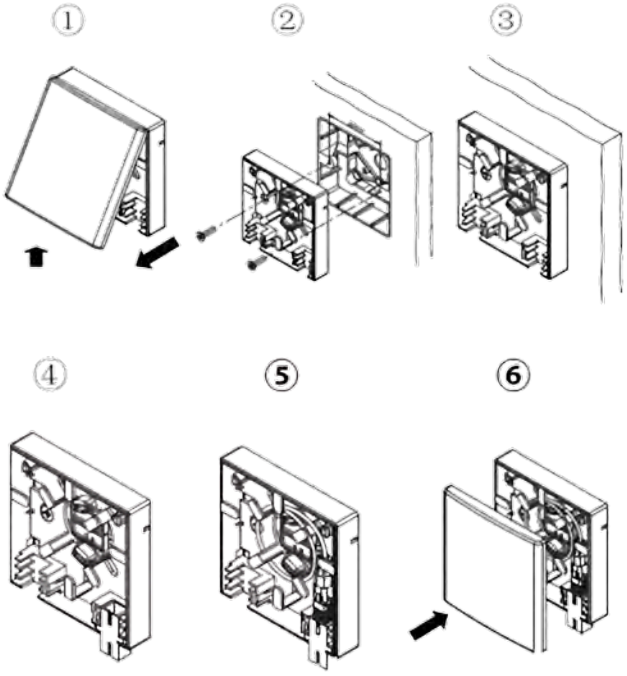
Features

- Easy Installation and Maintenance
- Efficient Inner Space Design
- Suitable Fiber Bending Radius
- Provides Excellent Protection for Optical Fibers
- Fire-proof & Dust-proof
- Options for Adapters and Pigtails

Applications

- Fiber-to-the Desk Applications
- Suitable for home or working areas to accomplish easy fiber access
- Suitable for end termination of residential buildings and villas,to fix and splice with pigtails.

Installation Guide



Specifications

Description	Specification
Product Name	Indoor Optical Outlet Box (NIU)Fiber Cladding Diameter
Dimension	86 x 86 x 24mm
Capacity	2 SC Adapters
Material	ABS

Ordering Information

Part Number	Product Description
JC1A2B	Indoor Optical Outlet Box

Go!Foton Fiber Cable Assembly for Telecom, Data center and Other Applications

Go!Foton manufacturers a wide variety of MPO / MTP® Patch Cords, Multifiber Fan-out / Breakouts and Simplex/Duplex Jumpers Cable Assemblies. We provide two types of performance products; Standard and Premium.

Premium and Standard Assemblies

The "Premium" Cable Assemblies provide the highest level of reliability with lower IL/RL. These assemblies have also passed VZ TPR certification. We also offer the high performance "Standard" Cable Assemblies that are Telcordia GR 326 tested and certified. Both the Premium and Standard products are made in our manufacturing facility. Our success due to the highly dedicated and skilled production team and only the highest quality fiber and connector components on the market.

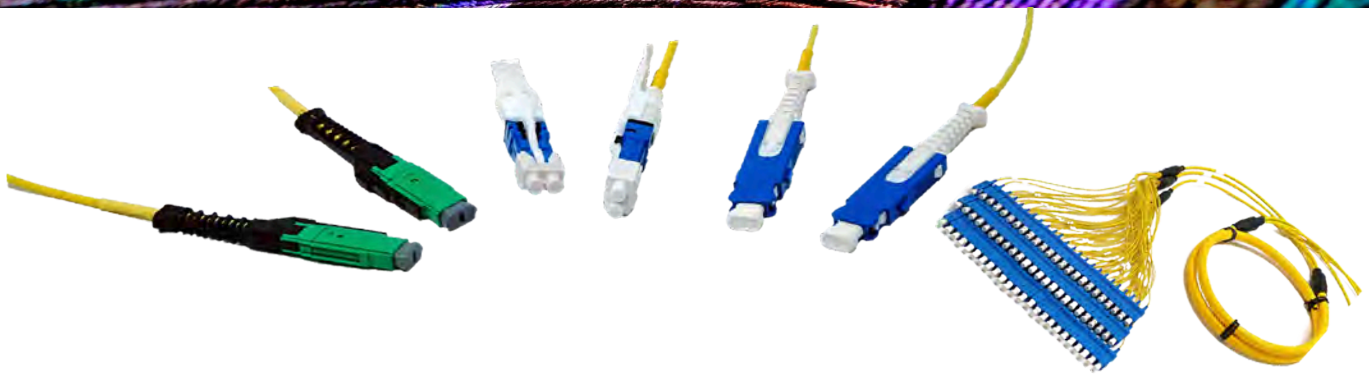
MPO / MTP® Patch Cords

Our Multi-fiber jumpers and loopbacks deliver the performance and reliability needed in today's demanding high-speed broadband and data networks. GoFoton's MPO/MTP® jumpers utilize precision ferrules, precise housing dimension and metal guide pins to ensure accurate fiber positioning when mating. This results in the highest possible optical performance.

The "Premium" MPO/MTP® multi-fiber jumpers, which are GR-1435 and VZ-TPR 9431 Certified, provide the highest level of reliability and are easily recognized by the yellow housing. We also offer our high performance "Standard" MPO multi-fiber jumpers that are Telcordia GR-1435 tested and certified and have green housing.

All of our MPO/MTP® jumpers, fan-outs, and loopbacks are rigorously tested and certified by Telcordia for compliance with GR-1435. In addition MPO/ MTP® Push/Pull Tabs for high density applications are available in bags of 10 pcs for both Premium and Standard jumpers.

Go!Foton now offers the new jumpers with USCONEC MPO/MTP® PRO connectors that offer quick and effective field polarity change and easy pin reconfiguration. Also available with these jumpers are the MTP® PRO Field Tool Polarity and Gender Change Kit. Download the data sheet from this website for more information.



Multi fiber Fan-out/Breakout Cables

Go!Foton's Fan-out/break-out fiber cable assemblies deliver the performance and reliability needed in today's demanding high-speed broadband and data networks. We manufacture a wide variety of single mode and multimode optical fiber jumpers for telecom and data center applications. Our state of the art manufacturing process is recognized by leading global service providers as one of the best in the industry.

Go!Foton's Fan-out/break-out cables have many variations to choose from to fit your precise applications: MPO-to-LC, MPO-to-SC, MPO-to-MPO, LC-to-LC, LC-to-SC, and more! Performance is always guaranteed since all Go!Foton cable assemblies have been tested by Telcordia for compliance with GR-1435, GR-2866, Verizon TPR 9431, IEC-61754-7 and EIA/TIA-604-5.

Simplex and Duplex Patch Cords

Go!Foton manufacturers a wide variety of single mode and multimode optical fiber jumpers for telecom and data center applications.

The "Premium" Cable Assemblies provide the highest level of reliability with lower IL/RL. These assemblies have also passed VZ TPR certification. We also offer the high performance "Standard" Cable Assemblies that are Telcordia GR 326 tested and certified. Both the Premium and Standard products are made in our manufacturing facility. Our success due to the highly dedicated and skilled production team and only the highest quality fiber and connector components on the market.

Each of our valued technicians is expertly trained in assembling and polishing connectors to near perfection. With a relentless commitment to quality, we offer only products meeting and exceeding unsurpassed optical performance.

We offer different connector types for our superior performance jumpers in demanding high density applications.

MDU Drop Cables for FTTX Applications and Node Assembly Cables for MOS/CATV

Go!Foton provides Node Service Assembly cables for several years and recently provided Node Cable Assembly. Get the reliability with competitive prices and on time delivery support provided by Go!Foton with On-Time delivery.

Go!Foton Cable Assembly Features

- High reliability exceeding industry Standards.
- Every connector termination we make is 100% tested prior to shipping to confirm it meets our highest performance standards.
- Four wavelength testing ensures your jumpers will support 10G/40G/100G transmission and next generation PON deployment.
- Experienced Technical Application support
- On-Time Delivery
- Competitive Pricing

Connector Types Available

900um MPO Connector (Elite Ferrule)

12F MPO Connector (Flat Standard Boot, Elite Ferrule)

12F MPO Connector (Standard Boot, Elite Ferrule)

12F MPO Connector (Flexible Boot, Elite Ferrule)

24F MPO Connector (Fixed Angle Boot)

12F MTP® Pro Multimode

16F MPO Connector (Standard Boot, Standard Ferrule)

16F MPO Connector (Flexible Boot, Standard Ferrule)

LC/UPC Simplex, SM

LC/UPC Duplex, SM

LC/UPC Uniboot Connector

LC/UPC Simplex, MM

LC/UPC Duplex, MM

LC/APC Simplex, SM

LC/APC Duplex, SM

SC/UPC Simplex, SM

SC/UPC Duplex, SM

SC/UPC Simplex, MM

SC/UPC Duplex, MM

SC/APC Simplex, SM

SC/APC Duplex, SM

MU Simplex Connector

MU Duplex Connector

FC/UPC Simplex, SM

FC/APC Simplex, SM

VSFF Connectors

CS Connector

MDC Sr. Connector

MDC Jr. Connector

MMC Connector

SN Connector

SN-MT Connector

Cable Types Available

1.2mm Simplex
Singlemode

1.2mm Duplex
Multimode

900um 12F
Singlemode

1.6mm Simplex
Singlemode

1.6mm Duplex
Multimode

12F Flat
Singlemode

12F OSP Cable

2mm 2F Simplex
Singlemode

2mm Duplex
Multimode

12F/24F
Singlemode

24F OSP Cable

1.2mm Duplex
Singlemode

3mm Simplex
Multimode

2x3mm 24F
Singlemode

7.4mm 12F Armored
Singlemode

2mm 4F
Singlemode

3mm 12F
Multimode

72F Indoor Cable
Singlemode

5.6mm 12F Non-
Armored, Singlemode

NOTE: SPECIFICATIONS FOR OTHER TYPES OF CABLES ARE AVAILABLE UPON REQUEST.

MPO/MTP® Jumper Assemblies

Description

GoFoton's MPO/MTP® multi-fiber jumpers deliver the performance and reliability needed in today's demanding high-speed broadband and data networks. GoFoton's MPO/MTP® jumpers utilize precision ferrules, precise housing dimensions, and metal guide pins to ensure fiber positioning when mating and give excellent performance. Telcordia tested it for compliance with GR-1435, Verizon TPR.9431, IEC-61754-7, and EIA/TIA-604-5. Go!Foton manufactures many single-mode and multimode optical fiber jumpers for telecom and data center applications.

Our jumper cables are fully compliant with Telcordia GR-1435-CORE. Issue 2, which requires performance characterization and testing at 1310nm, 1490nm, 1550nm, and 1625nm. Four wavelength testing ensures that your jumpers will support the demanding requirements for 10G/40G/100G transmission and next-generation PON deployment. Go!Foton jumpers will give you a solid foundation on which you build your network is capable of exceeding the ever-demanding expectations of your customers. So don't settle for second best!

Our cable assemblies may be custom configured as required for your specific applications. Our quality components and process are backed by a team of experts who know the importance of jumper cables in maintaining reliable network operations. We back up all of our claims with product performance testing and auditing our manufacturing facility by Telcordia Technologies.

Features

- Every connector termination we make is 100% tested prior to shipping to confirm that it meets our highest performance standards.
- Four wavelength testing ensures that your jumpers will support the demanding requirements for 10G/40G/100G transmission and next generation PON deployment.
- All jumpers are free of hazardous substances in compliance with RoHS 2002/95/EG
- Verizon TPR-9431, IEC-61754-7 and EIA/TIA- 604-5 Compliant, Telcordia GR-1435-CORE Tested

Applications

- Telecommunication Networks
- Data Communication Networks
- Optical System Access Networks
- Broadband / CATV Networks
- Equipment / Switch Interconnections

Specifications

Parameter	Type	Specification
Operating Wavelength	Single Mode	1310nm & 1550nm
	Multi-mode	850nm & 1300nm
Insertion Loss	Single Mode	IL 0.35dB (max)
	Multi-mode	IL 0.35dB (max)
Reflectance	Single Mode	RL 60dB (max)
	Multi-mode	RL 20dB (max)
Fiber Type	Single Mode	ITU G.657.A2
	Multi-mode	OM3 and OM4 (50/125μm)
Connector Type Length	Follow PN Description	
Length Tolerance	±2% of total cable length	
Jacket Type	Flat/Round Cable	OFNP/OFNR/LSZH/PVC
Jacket Diameter	Follow PN Description	mm
Jacket Color		Yellow = SMF
		Aqua = OM3/OM4
		Black = OSP or I/O

Ordering Guide

Connector Type End	
Code	Code Description
A	MPO/PC (Male)
B	MPO/APC (Male)
C	MPO/PC (Female)
D	MPO/APC (Female)
E	Fiber Array
P	Others
X	No Connector

Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	Others

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	3.8mm
H	4.0mm
J	4.5mm
K	5.0mm
L	5.5mm
M	11mm
N	18mm
Q	2x3mm
R	Oval Ribbon Cable
S	165um Bare Fiber
P	Others
X	Bare Fiber Ribbon (No outer Jacket)

Jacket Rating	
Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	8 Fiber (Ribbon Bare Fiber)
B	12 Fiber (Ribbon Bare Fiber)
C	24 Fiber (Ribbon Bare Fiber)
D	16 Fiber (Ribbon Bare Fiber)
E	32 Fiber (Ribbon Bare Fiber)
F	8 Fiber (Distribution Bare Fiber)
G	12 Fiber (Distribution Bare Fiber)
H	24 Fiber (Distribution Bare Fiber)
J	16 Fiber (Distribution Bare Fiber)
K	32 Fiber (Distribution Bare Fiber)
L	8F Loopback
M	12F Loopback
N	24F Loopback
Q	16F Loopback
P	Others

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

EXAMPLE ORDER CODE:

Order Code: MDD3F5GM001

Description: JUMPER 12F MFA-MFA A2 RSR 3MM 1M

NOTE: *All of our cable assemblies may be custom configured as required for your specific applications. If you do not see what you are looking for, please contact one of our customer care specialists or send an email to CustomerService@gofoton.com.*

12F/24F MTP® Pro Jumpers and Field Tool

Description

GoFoton's multi-fiber jumpers using USCONEC MTP® PRO connector is an improved MPO patchcord that are engineered for easy polarity change on field without re-termination and no connector housing removal that do not exposed fiber. This optical jumper also has available MTP® PRO Pin Change Tool that helps in quick pin change and avoid handling of loose pins. GoFoton's MTP®PRO patchcord was tested by Telcordia for compliance with GR-1435. All jumpers are free of hazardous substances in compliance with RoHS and REACH compliant.

Features

- Compliant with GR-1435
- Available in push-pull boot
- Quick polarity change by reversing the MPO key using MTP® PRO Pin Change Tool
- Ease of polarity confirmation with ID marks
- With color coded reusable pin exchanger without handling of loose pins
- Exceed 19.6N IEC pin retention requirement
- MTP® PRO connector surpassed IEC 61754-7 and TIA FOCIS 5
- Compatible to standard MPO adapters

Applications

- Telecommunication Networks
- Data Communication Networks
- Optical System Access Networks
- Broadband / CATV Networks
- Equipment / Switch Interconnections

Ordering Guide

Connector Type End	
Code	Code Description
A	MPO/PC (Male)
B	MPO/APC (Male)
C	MPO/PC (Female)
D	MPO/APC (Female)
E	Fiber Array
P	Others
X	No Connector

Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	Others

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	3.8mm
H	4.0mm
J	4.5mm
K	5.0mm
L	5.5mm
M	11mm
N	18mm
Q	2x3mm
R	Oval Ribbon Cable
S	165um Bare Fiber
P	Others
X	Bare Fiber Ribbon (No outer Jacket)

Jacket Rating	
Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	8 Fiber (Ribbon Bare Fiber)
B	12 Fiber (Ribbon Bare Fiber)
C	24 Fiber (Ribbon Bare Fiber)
D	16 Fiber (Ribbon Bare Fiber)
E	32 Fiber (Ribbon Bare Fiber)
F	8 Fiber (Distribution Bare Fiber)
G	12 Fiber (Distribution Bare Fiber)
H	24 Fiber (Distribution Bare Fiber)
J	16 Fiber (Distribution Bare Fiber)
K	32 Fiber (Distribution Bare Fiber)
L	8F Loopback
M	12F Loopback
N	24F Loopback
Q	16F Loopback
P	Others

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

NOTE: *All of our cable assemblies may be custom configured as required for your specific applications. If you do not see what you are looking for, please contact one of our customer care specialists or send an email to CustomerService@gofoton.com.*

MTP® Pro Field Tool

Polarity Change

Go!Foton offers USCONEC MTP® PRO field tool for polarity change. Simply inserting the MTP® PRO connector on the polarity change tool will reverse the black key while exposing the white key simultaneously that will change the jumper's polarity.

Gender Change

Using the same field tool, changing the gender was very quick. Inserting the MTP® PRO connector on the gender change port and by using pin exchanger that attach/retrieves the pin will change the gender easily.

Ordering Guide

Item Number	Product Name	Remarks
MF1A5003	PIN EXCHANGER MTP® PRO FMLE-MM AQUA	1 tube = 10pcs of Pin Exchanger
MF1A5004	PIN EXCHANGER MTP® PRO FMLE-SM YELLOW	1 tube = 10pcs of Pin Exchanger
MF3A5005	PIN EXCHANGER MTP® PRO MLE-MM AQUA	1 tube = 10pcs of Pin Exchanger
MF3A5006	PIN EXCHANGER MTP® PRO MLE-SM YELLOW	1 tube = 10pcs of Pin Exchanger
MF3A5007	POLARITY/PIN EXCHANGER MTP® PRO FIELD TOOL	1pc

12F/ 16F/ 24F MPO Master Jumper

Description

Go!Foton's 12F/16F/24F MPO Master Jumper is a special MPO patch cord that meets any application's ultra low loss performance. We at GoFoton would like to provide the highest quality product to our customers for their application needs. The ultra-low loss performance is made by controlling the most crucial end face geometry requirements. Go!Foton's 12F/24F MPO Master Jumper can withstand extreme environmental conditions in compliance with GR-1435-CORE Environmental Testing and ensure no degradation to its optical performance.

Features and Benefits

- Available in 8F, 12F, 16F and 24F
- Lower Insertion for applications with critical power budget management
- Well-defined polarity and continuity checking
- Complete port-to-port optical performance (Insertion Loss and Return Loss) testing.
- Highly controlled end-face geometry to improve connectors optical performance

Applications

- Telecommunication Networks
- Data Communication Networks
- Optical System Access Network
- Broadband / CATV Networks
- Equipment / Switch Interconnections

Schematic Dimensions:

12F MPO/APC Connector, Male, SM, Housing Color: Blue

12F MPO/APC Connector, Male, SM, Housing Color: Blue

Optical Specifications

Parameter	Specifications
Insertion Loss	SM(APC): ≤0.20dB (Typical) SM(APC): ≤0.20dB (Max)
Return Loss	SM(APC): ≥ 70dB
Fiber Type	Singlemode: G.657A2/B2, G.657B3

Mechanical Specifications

Parameter	Specifications
Fiber Jacket Type	OFNR, OFNP, LSZH, Dual Rated
Cordage Diameter	3mm (8F & 12F) 3.8mm (24F)
Connector Type	MPO/APC (Male and Female)
Fiber Length	Customized as per customer required application

Ordering Guide

Connector Type End	
Code	Code Description
A	MPO/PC (Male)
B	MPO/APC (Male)
C	MPO/PC (Female)
D	MPO/APC (Female)
E	Fiber Array
P	Others
X	No Connector

Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	Others

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	3.8mm
H	4.0mm
J	4.5mm
K	5.0mm
L	5.5mm
M	11mm
N	18mm
Q	2x3mm
R	Oval Ribbon Cable
S	165um Bare Fiber
P	Others
X	Bare Fiber Ribbon (No outer Jacket)

Jacket Rating	
Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	8 Fiber (Ribbon Bare Fiber)
B	12 Fiber (Ribbon Bare Fiber)
C	24 Fiber (Ribbon Bare Fiber)
D	16 Fiber (Ribbon Bare Fiber)
E	32 Fiber (Ribbon Bare Fiber)
F	8 Fiber (Distribution Bare Fiber)
G	12 Fiber (Distribution Bare Fiber)
H	24 Fiber (Distribution Bare Fiber)
J	16 Fiber (Distribution Bare Fiber)
K	32 Fiber (Distribution Bare Fiber)
L	8F Loopback
M	12F Loopback
N	24F Loopback
Q	16F Loopback
P	Others

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

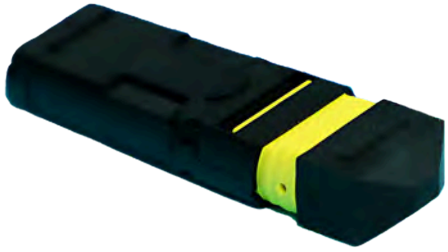
EXAMPLE ORDER CODE:

Order Code: MPP3G5GM002

Description: JUMPER 12F MMA-MMA SMF RSR 3.8MM 2M

NOTE: *All of our cable assemblies may be custom configured as required for your specific applications. If you do not see what you are looking for, please contact one of our customer care specialists or send an email to CustomerService@gofoton.com.*

Fiber Loopbacks: MPO and LC



Description

Go!Foton's LC and MPO Loopbacks are compact and reliable assemblies that are engineered to provide return path for fiber optic signals, simulating a complete communications circuit using a single transceiver. These loopbacks provide low insertion and return loss, making them ideal for use during network test, turn up, and troubleshooting. Loopbacks are customizable depending on the network's specified configurations.

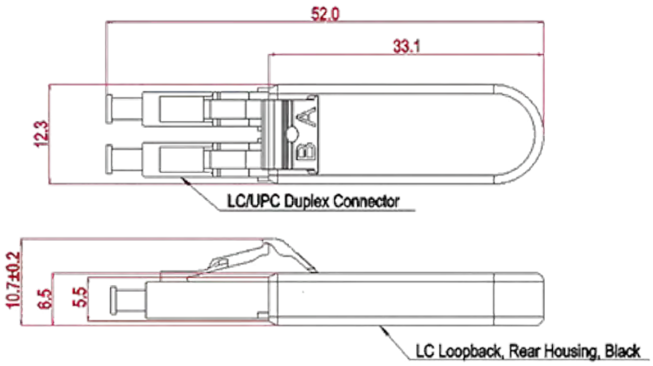
Features

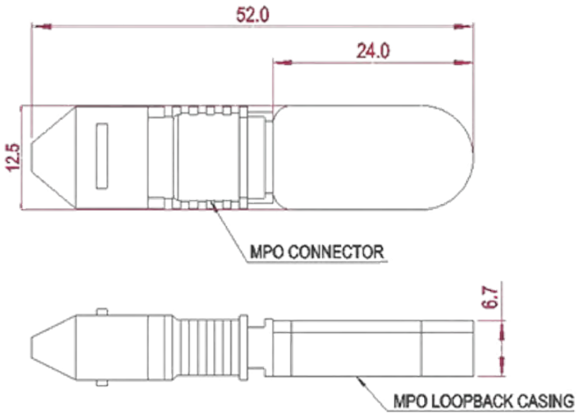
- Verizon TPR-9409 and EIA/TIA-604-5 Compliant
- Telcordia GR-326-CORE and GR-1435-CORE Tested
- Plastic parts UL94V-0 compliant
- VZ-TPR-9409 and VZ-TPR-9431 compliant
- RoHS 2002/95/EG compliant
- MPO Loopbacks available in 8F, 12F and 24F
- Designed for side by side integration.
- Short Loopback design (52mm) for space critical applications

Applications

- Telecommunications
- Test Transmitter Capability
- Test Receiver Sensitivity
- Network Troubleshooting
- Equipment Test and Turn up

Product Dimensions





Specifications

Optical Performance	Specification	
	LC Loopback	MPO Loopback
Insertion Loss	SM ≤ 0.30 dB MM ≤ 0.50 dB	SM ≤ 0.50 dB MM ≤ 0.70 dB
Return Loss	SM ≥ 55 dB MM ≥ 30 dB	SM ≥ 65 dB MM ≥ 20 dB
Fiber Type	Single mode (9/125um): G.657B3 Multimode (50/125um): OM3	

Ordering Guide

Connector	**Product**	**Model Code**
LC Connector	SM LC Loopback	JDD4AXBM000
	MM LC Loopback (OM3)	JDD7AXBM000
MPO Connector	SM 8F MPO Loopback	MDX4AXLM000
	SM 12F MPO Loopback	MDX4AXMM000
	SM 24F MPO Loopback	MDX4AXNM000
	MM 8F MPO Loopback (OM3)	MCX7AXLM000
	MM 12F MPO Loopback (OM3)	MCX7AXMM000
	MM 24F MPO Loopback (OM3)	MCX7AXNM000

Fiber Fan-Out / Break-Out Cable Assemblies

Description

Go!Foton's Fan-out/break-out delivers the performance and reliability needed in today's demanding
high-speed broadband and data networks. GoFoton's Fan-out/Break-out has many variations to choose from (MPO-to-LC, MPO-to-SC, LC-to-SC, etc.) depending on the application. However, performance is always guaranteed since all Go!Telcordia has tested Go!Foton cable assemblies for compliance with GR-1435, GR-2866, Verizon TPR 9431, IEC-61754-7, and EIA/ TIA-604-5.

Features

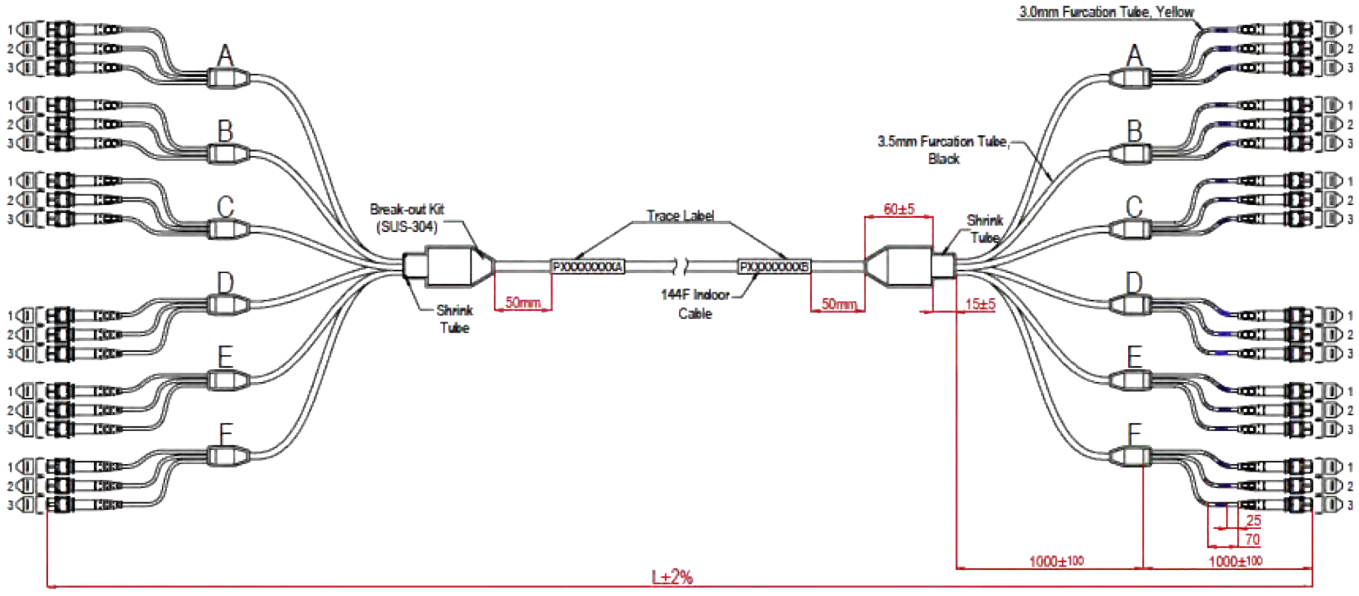
- Four wavelength testing ensures that your jumpers will support the demanding requirements for 10G/40G/100G transmission and next generation PON deployment.
- All jumpers are free of hazardous substances in compliance with RoHS 2002/95/EG
- Verizon TPR-9431, IEC-61754-7 and EIA/TIA-604-5 Compliant, Telcordia GR-1435-CORE and GR-2866 Tested

Applications

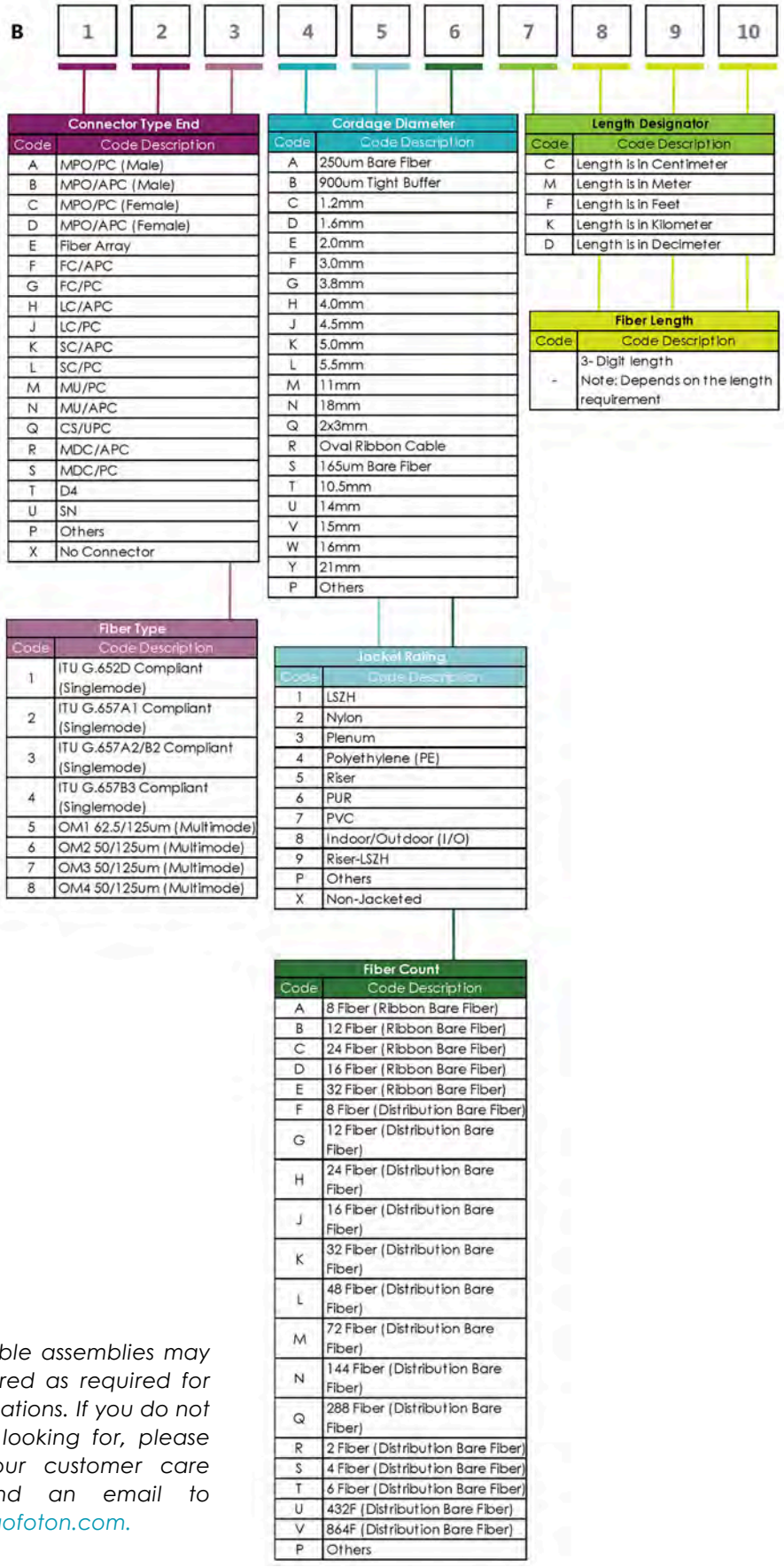
- Telecommunication Networks
- Data Communication Networks
- Optical System Access Networks
- Broadband / CATV Networks
- Equipment / Switch Interconnections
- Fiber to the Antenna (FTTA)

Specifications

Type of Connector	Parameters		Low Loss	Standard	Unit
Multi-Fiber Connector	Insertion Loss	Single Mode	≤0.35	≤0.70	dB
		Multimode	≤0.45	≤0.70	dB
	Return Loss	Single Mode	≥55	≥55	dB
		Multimode	≥28	≥20	dB
Single Fiber Connector	Insertion Loss	Single Mode PC	≤0.25	≤0.40	dB
		Single Mode APC	≤0.30	≤0.40	dB
		Multimode	≤0.50	≤0.70	dB
	Return Loss	Single Mode PC	≥55	≥40	dB
		Single Mode APC	≥65	≥60	dB
		Multimode	≥30	≥20	dB
	Operating Wavelength	Single Mode	1310/1550		nm
		Multimode	850/1300		
	Length Tolerance		+2% of the total cable length		
	Jacket Color	Yellow	SMF G652 and G657 Fiber		
		Orange	OM1 62.5/125 μm, OM2 50 / 125 μm		
		Aqua	OM3 50/125, OM4 50/125μm		



Ordering Guide



Connector Type End	
Code	Code Description
A	MPO/PC (Male)
B	MPO/APC (Male)
C	MPO/PC (Female)
D	MPO/APC (Female)
E	Fiber Array
F	FC/APC
G	FC/PC
H	LC/APC
J	LC/PC
K	SC/APC
L	SC/PC
M	MU/PC
N	MU/APC
Q	CS/UPC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	3.8mm
H	4.0mm
J	4.5mm
K	5.0mm
L	5.5mm
M	11mm
N	18mm
Q	2x3mm
R	Oval Ribbon Cable
S	165um Bare Fiber
T	10.5mm
U	14mm
V	15mm
W	16mm
Y	21mm
P	Others

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

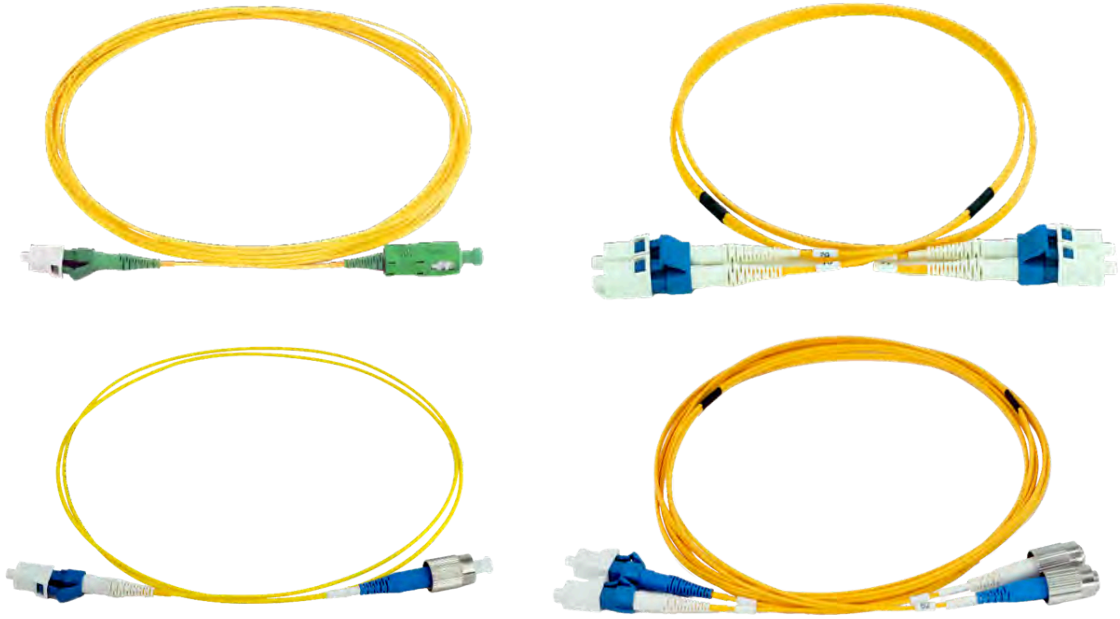
Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)

Jacket Rating	
Code	Code Description
1	LSZH
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	8 Fiber (Ribbon Bare Fiber)
B	12 Fiber (Ribbon Bare Fiber)
C	24 Fiber (Ribbon Bare Fiber)
D	16 Fiber (Ribbon Bare Fiber)
E	32 Fiber (Ribbon Bare Fiber)
F	8 Fiber (Distribution Bare Fiber)
G	12 Fiber (Distribution Bare Fiber)
H	24 Fiber (Distribution Bare Fiber)
J	16 Fiber (Distribution Bare Fiber)
K	32 Fiber (Distribution Bare Fiber)
L	48 Fiber (Distribution Bare Fiber)
M	72 Fiber (Distribution Bare Fiber)
N	144 Fiber (Distribution Bare Fiber)
Q	288 Fiber (Distribution Bare Fiber)
R	2 Fiber (Distribution Bare Fiber)
S	4 Fiber (Distribution Bare Fiber)
T	6 Fiber (Distribution Bare Fiber)
U	432F (Distribution Bare Fiber)
V	864F (Distribution Bare Fiber)
P	Others

NOTE: *All of our cable assemblies may be custom configured as required for your specific applications. If you do not see what you are looking for, please contact one of our customer care specialists or send an email to CustomerService@gofoton.com.*

Simplex and Duplex Patch Cords



Description

Go!Foton manufactures a wide variety of single-mode and multimode optical fiber jumpers for telecom and data center applications. Our Cable Assemblies provide the highest level of reliability with lower IL/RL. We also offer high performance "Standard" Cable Assemblies that are Telcordia GR 326 compliant, tested, and certified. All jumpers are made in our modern manufacturing facility.

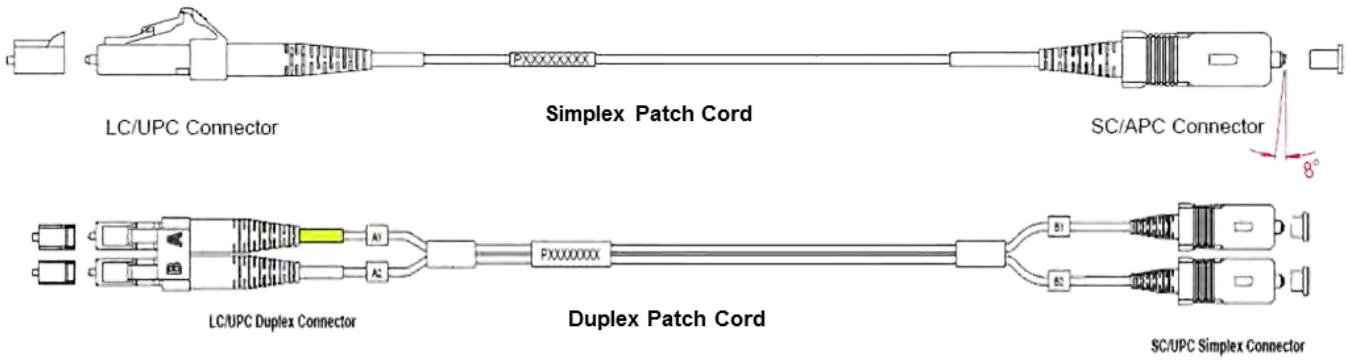
Our Success is due to highly dedicated and skilled production team and only the highest quality fiber and connector components on the market. Our quality components and quality process is backed by a team of experts who know how basic jumper cables are used to maintain reliable network operations. We back up all of our claims with product performance testing and auditing of our manufacturing facility by Telcordia Technologies.

Features:

- Every connector termination we make is 100% tested prior to shipping to confirm that it meets our highest performance standards.
- Four wavelength testing ensures that your jumpers will support the demanding requirements for 10G/40G/100G transmission and next generation PON deployment.
- All jumpers are free of hazardous substances in compliance with RoHS 2002/95/EG
- Verizon TPR-9409 Compliant
- Telcordia GR-326-CORE Tested

Applications:

- Telecommunication Networks
- Data Communication Networks
- Optical System Access Networks
- Broadband / CATV Networks
- Equipment / Switch Interconnections



Specifications

Parameter	Type	Specification
Operating Wavelength	Single Mode	1310nm & 1550nm
	Multi-mode	850nm & 1300nm
Insertion Loss	Single Mode UPC	IL 0.25dB (max)
	Multi-mode UPC	IL 0.35dB (max)
	Single Mode APC	IL 0.35dB (max)
Reflectance	Single Mode UPC	RL 50dB (max)
	Multi-mode UPC	RL 20dB (max)
	Single Mode APC	RL 60dB (max)
Fiber Type	Single Mode	ITU G.657.A2
	Multi-mode	OM3 and OM4 (50/125μm)

Ordering Guide

Connector Type End	
Code	Code Description
A	FC/APC
B	FC/PC
C	LC/APC
D	LC/PC
E	MU/PC
F	SC/APC
G	SC/PC
H	ST/APC
J	ST/PC
K	CS/UPC
N	MU/APC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	N/A

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	4.0mm
H	4.8mm
J	Bowtie/ Figure 8
K	5.0mm
L	165um Bare Fiber
P	Others

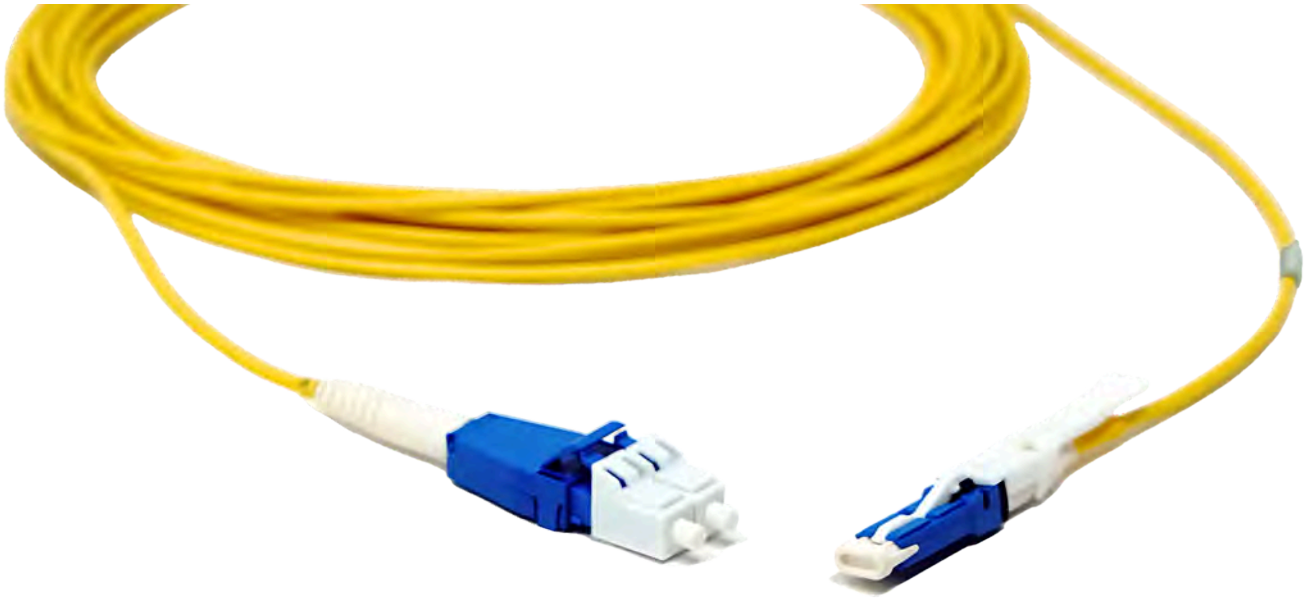
Jacket Rating	
Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	1 Fiber (Simplex)
B	2 Fiber (Duplex)

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

CS and LC Uniboot Duplex Optical Jumpers



Description

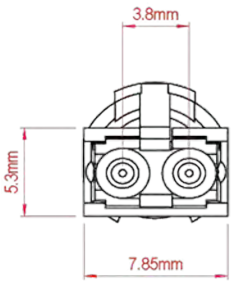
Go!Foton's CS (3.8mm pitch) and LC Uniboot (6.25mm pitch) Optical Jumpers are engineered and manufactured to the highest standards providing mission critical networks with worry free optical performance and superior optical fiber density. These superior quality optical jumpers are made to be highly durable exceeding industry standards for all current and next generation applications. The Go!Foton CS-CS and CS-LC Duplex Uniboot optical jumpers provide a smaller footprint to support the space-critical, fiber-dense applications emerging throughout Data center and Telecommunication networks.

Features and Benefits

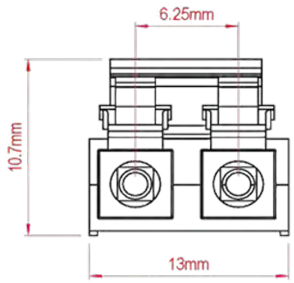
- Singlemode and multimode fiber types
- CS is 40% smaller than standard LC Duplex
- Proven LC ferrule technology
- Variety of push-pull tabs available for ease of use and connector access
- 100% IL and RL tested and verified
- Controlled end-face geometry to improve connector performance.

Applications

- 200 Gbps and 400 Gbps Networks
- QSFP-DD and OSFP next gen transceivers
- High density fiber management
- Next generation switches and routers
- Wavelength selective switches
- CS-CS and CS-LC options available



CS CONNECTOR

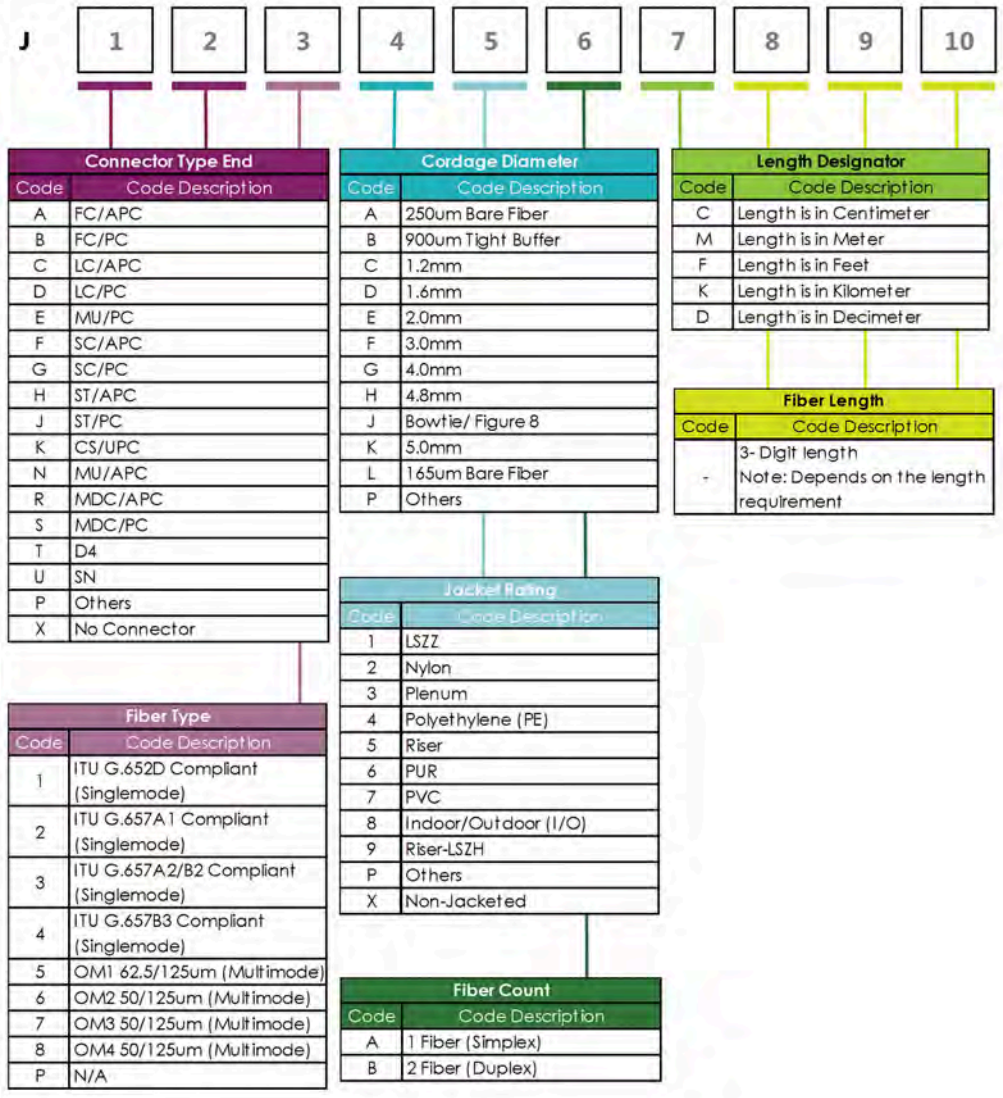


LC DUPLEX CONNECTOR

Specifications

Optical	Specification
Insertion Loss	SM(PC): ≤0.20dB SM(APC): ≤0.30dB MM: ≤0.50dB
Return Loss	SM: ≥65dB MM: ≥30dB
Fiber Type	Singlemode: G.652D, G.657A1, G.657A2/B2, G.657B3 Multimode: OM1, OM2, OM3, OM4
Mechanical	**Specification**
Fiber Jacket Type	OFNR, LSZH, OFNP and Dual OFNR/LSZH Rated
Cordage Diameter	2mm, 3mm
Connector Type	CS and LC Uniboot
Fiber Length	Customized as per customer required application
Push-Pull Tab Lengths (CS)	48mm, 55mm, 62mm and 69mm

Ordering Guide



Connector Type End	
Code	Code Description
A	FC/APC
B	FC/PC
C	LC/APC
D	LC/PC
E	MU/PC
F	SC/APC
G	SC/PC
H	ST/APC
J	ST/PC
K	CS/UPC
N	MU/APC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	N/A

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	4.0mm
H	4.8mm
J	Bowtie/ Figure 8
K	5.0mm
L	165um Bare Fiber
P	Others

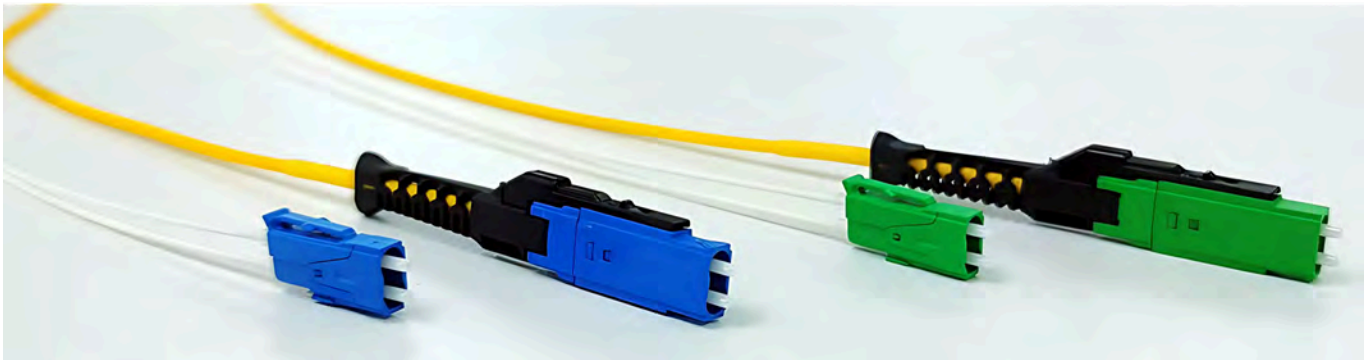
Jacket Rating	
Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	1 Fiber (Simplex)
B	2 Fiber (Duplex)

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

MDC Sr/Jr Duplex Optical Jumpers

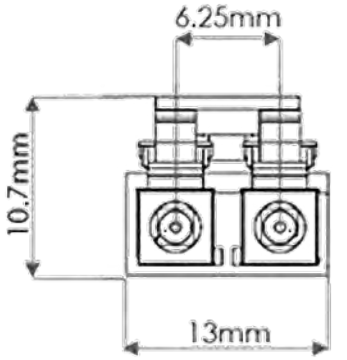


Description

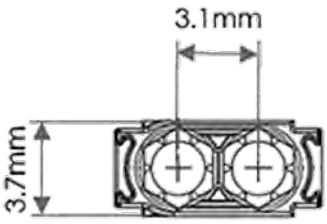
Go!Foton's MDC (Mini Duplex Connector) Optical Jumpers are manufactured to the highest standards providing optimal stability to highly demanding applications. The MDC (3.1 mm pitch) Optical Jumper is built with high-quality fiber optic cable and belongs to Very Small Form Factor (VSFF) connectors, characterized by two 1.25 mm ferrule diameters. It features easy insertion and extraction with its push-pull boot in more confined spaces. The polarity of MDC can be effortlessly reversed without the need for tools and exposing or twisting the delicate fibers. MDC is designed to exceed industry standards for all current and next-generation applications

Features and Benefits

- Compliant with GR-326
- Very Small Form Factor (VSFF) duplex connector
- 3x fiber cable density than LC
- Push-pull boot for connector insertion and extraction
- Simple polarity reversal with no exposed fibers
- 100% IL and RL tested and verified
- Controlled end-face geometry to improve connector performance.



LC Duplex. Connector

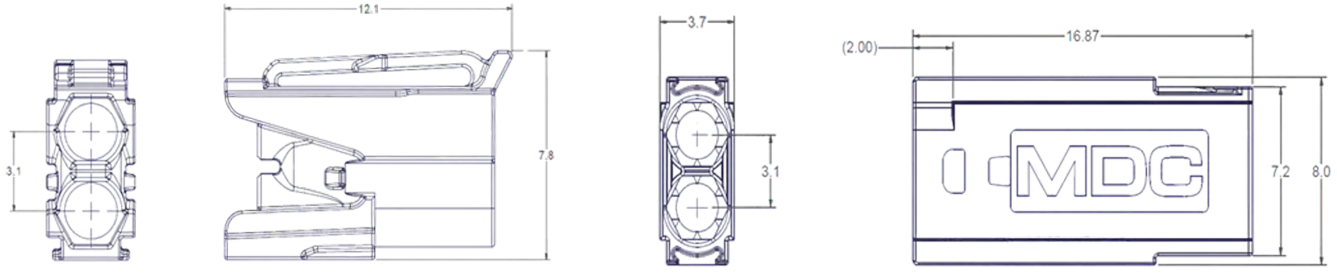


MDC Connector

Applications

- QSFP-DD and SFP-DD next gen transceivers
- High density fiber management
- Data center
- Storage Area Network

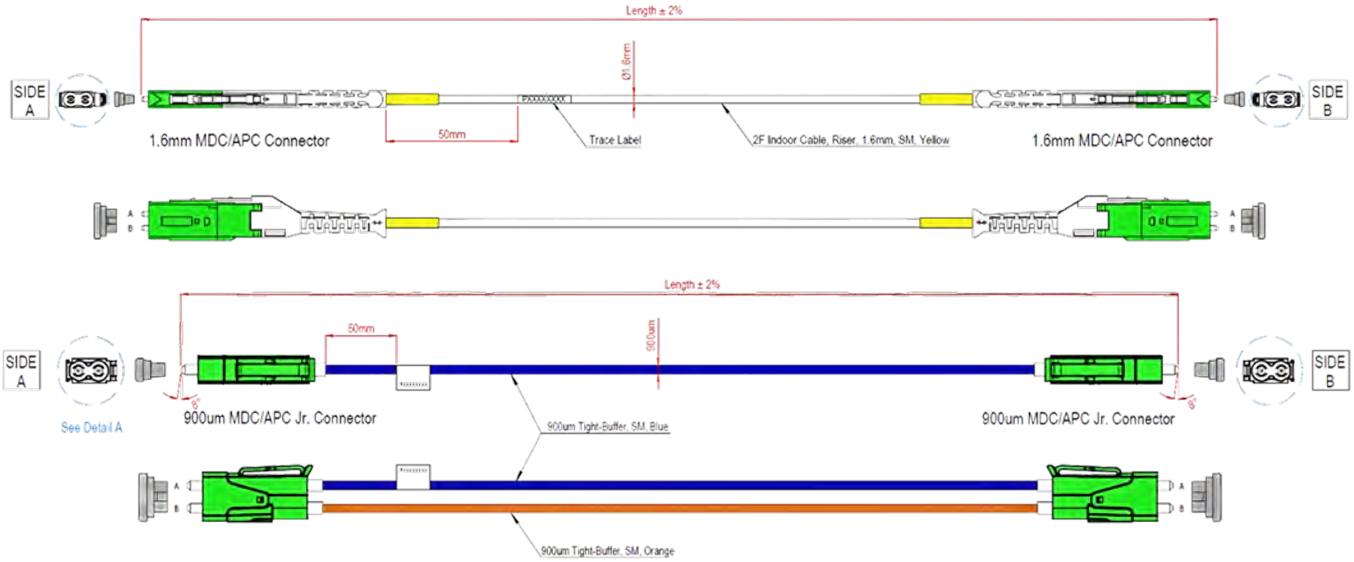
Mechanical Dimensions



MDC Jr. Connector

MDC Sr. Connector

Schematic Dimensions



JUMPER 2F MDCA-MDCA SMF 900UM

Optical Specifications

Parameter	Specification
Insertion Loss	SM(PC): ≤ 0.25dB SM(APC): ≤0.35dB
Return Loss	SM(PC): ≥ 50dB SM(APC): ≥ 60dB
Fiber Type	Singlemode: G.652D, G.657A1, G.657A2/B2, G.657B3

Mechanical Specifications

Parameter	Specification
Fiber Jacket Type	OFNR, LSZH, OFNP and Dual OFNR/LSZH Rated
Cordage Diameter	900um (MDC Jr.) 1.6mm (MDC Sr.)
Connector Type	MDC Jr.-MDC Jr. MDC Sr.-MDC Sr.
Fiber Length	Customized as per customer required application

Ordering Guide

Connector Type End	
Code	Code Description
A	FC/APC
B	FC/PC
C	LC/APC
D	LC/PC
E	MU/PC
F	SC/APC
G	SC/PC
H	ST/APC
J	ST/PC
K	CS/UPC
N	MU/APC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	N/A

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	4.0mm
H	4.8mm
J	Bowtie/ Figure 8
K	5.0mm
L	165um Bare Fiber
P	Others

Jacket Rating	
Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	1 Fiber (Simplex)
B	2 Fiber (Duplex)

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

Ruggedized MDU Drop Cable

Description

The Go!Foton Ruggedized MDU Drop Cable is designed for the rigorous performance needs of today's FTTH (Fiber-to-the-Home) applications. These cables incorporate the latest bend-insensitive fiber that enables worry-free installation around tight bending locations. The Ruggedized MDU Drop cable itself is designed fit installation using T-25 staples. The MDU Drop Cable comes with Telcordia GR and Verizon TPR certified SC/APC connectors that provide the high-performance return loss required for FTTx signals. The optical fiber utilized surpasses the G.657.B3 technical standards to ensure the reliability of ultra-high-speed internet and business services. Assemblies are tested and qualified to Telcordia & Verizon standard and meet all EIA.TIA 4 55-3 (FOCIS 3) interface standards for SC/APC connectors.

Features

- Pre-terminated solution for reduced installation time
- Drop Cables utilizing reduced bend radius fiber
- 2.9mm & 4.8mm ruggedized indoor and indoor/outdoor options
- Both Black and Beige (Neutral) cable colors available
- Telcordia GR-326-CORE and Verizon TPR-9409 Compliant

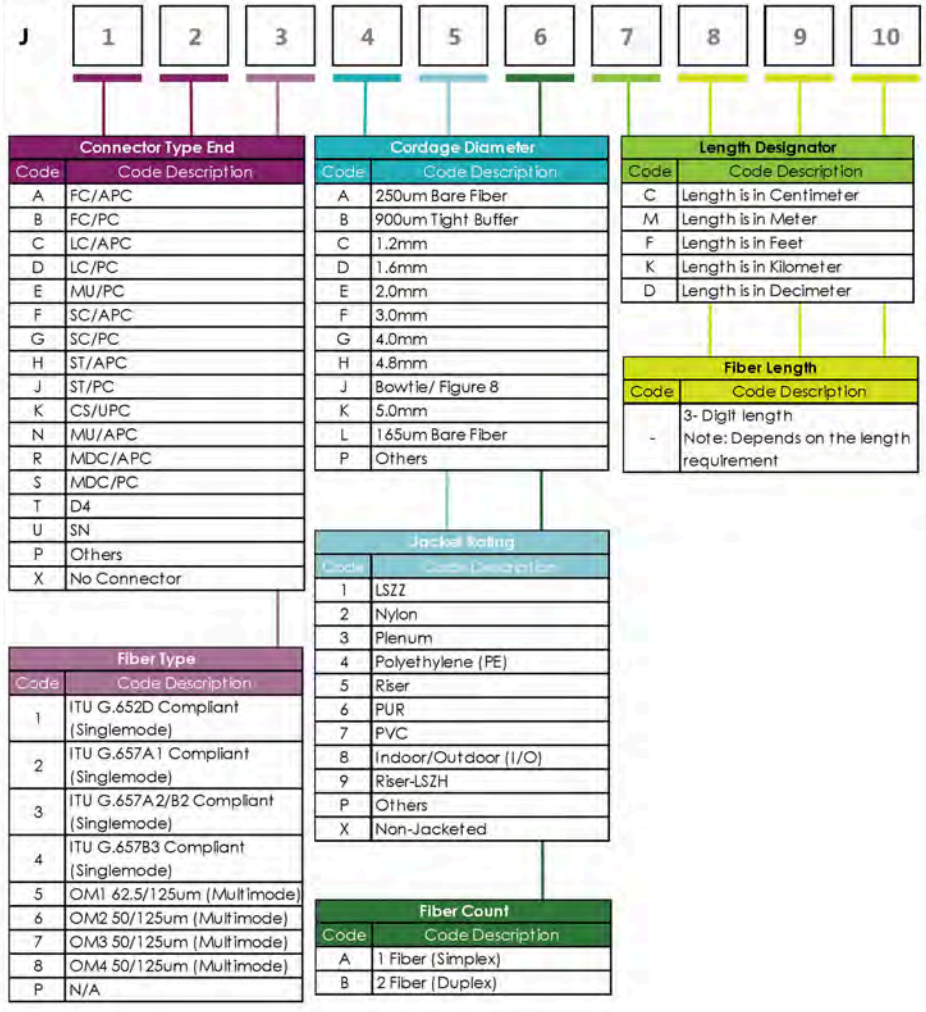
Applications

- Multi-Dwelling Unit (MDU) drop cables for FTTH systems
- CATV Video systems and Optical LAN Networks

Specifications

Parameter	Specification
Fiber Type	ITU-T G657B3 (Single mode)
Construction Configuration	Indoor & Indoor/Outdoor
Flame Rating	OFNR
Nominal OD	2.9mm and 4.8mm
Nominal Weight	6.5 kg/km (Ø2.9mm) 21.5 kg/km (Ø4.8mm)
Tensile Strength	500N (Short-term) 100N (Long-term)
Crush Resistance	500/100mm (Installation) 100N/100mm (Operation)
Temperature Range	-40 to +70°C
Maximum Attenuation / Wavelengths	≤ 0.35 dB/km @ 1310nm ≤ 0.21 dB/km @ 1550nm
Insertion Loss	SM (UPC): ≤ 0.20dB SM (APC): ≤ 0.30dB
Return Loss	SM (UPC): ≥ 55 dB SM (APC): ≥ 65dB

Ordering Guide



Connector Type End	
Code	Code Description
A	FC/APC
B	FC/PC
C	LC/APC
D	LC/PC
E	MU/PC
F	SC/APC
G	SC/PC
H	ST/APC
J	ST/PC
K	CS/UPC
N	MU/APC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	N/A

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	4.0mm
H	4.8mm
J	Bowtie/ Figure 8
K	5.0mm
L	165um Bare Fiber
P	Others

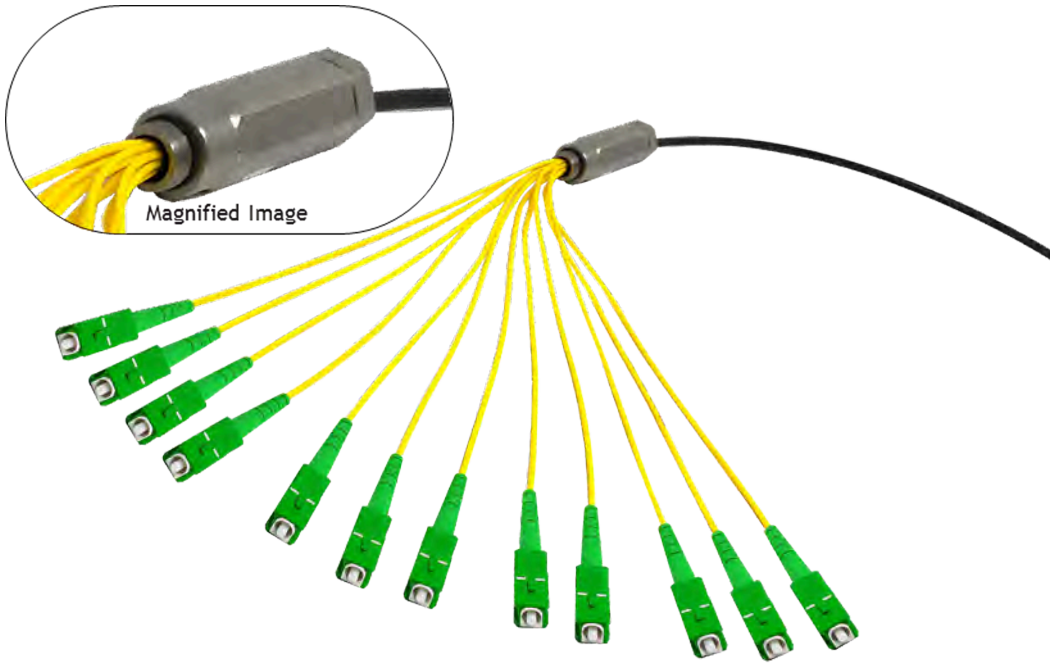
Jacket Rating	
Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	1 Fiber (Simplex)
B	2 Fiber (Duplex)

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

Node Cable Fan-Out Assemblies



Description

Go Foton's Node Service Cable Assemblies are engineered and manufactured to simplify optical node installations. It has anti-rotating back nut and anti-twisting feed-thru body allowing tightening of node and easy mounting without twisting the cable. The mounting thread is an industry standard size of 5/8 -24 UNEF-2A. Node is an aluminum material for added strength and environmental durability. Assemblies come with weather proof and UV proof kit. This is to protect connectors and cable for a long period of time in different weather conditions.

Features and Benefits

- 100% IL and RL tested and verified
- Controlled end-face geometry to improve connector performance.
- Armored Double-jacketed Gel-free cable
- Quick and easy installation

Applications

- CATV Bide Cable Drops
- FTTx optical nework unit (ONU) node service drop

Common Specifications

Insertion Loss

≤ 0.20dB typical, singlemode (UPC)
≤ 0.30dB typical, singlemode (APC)

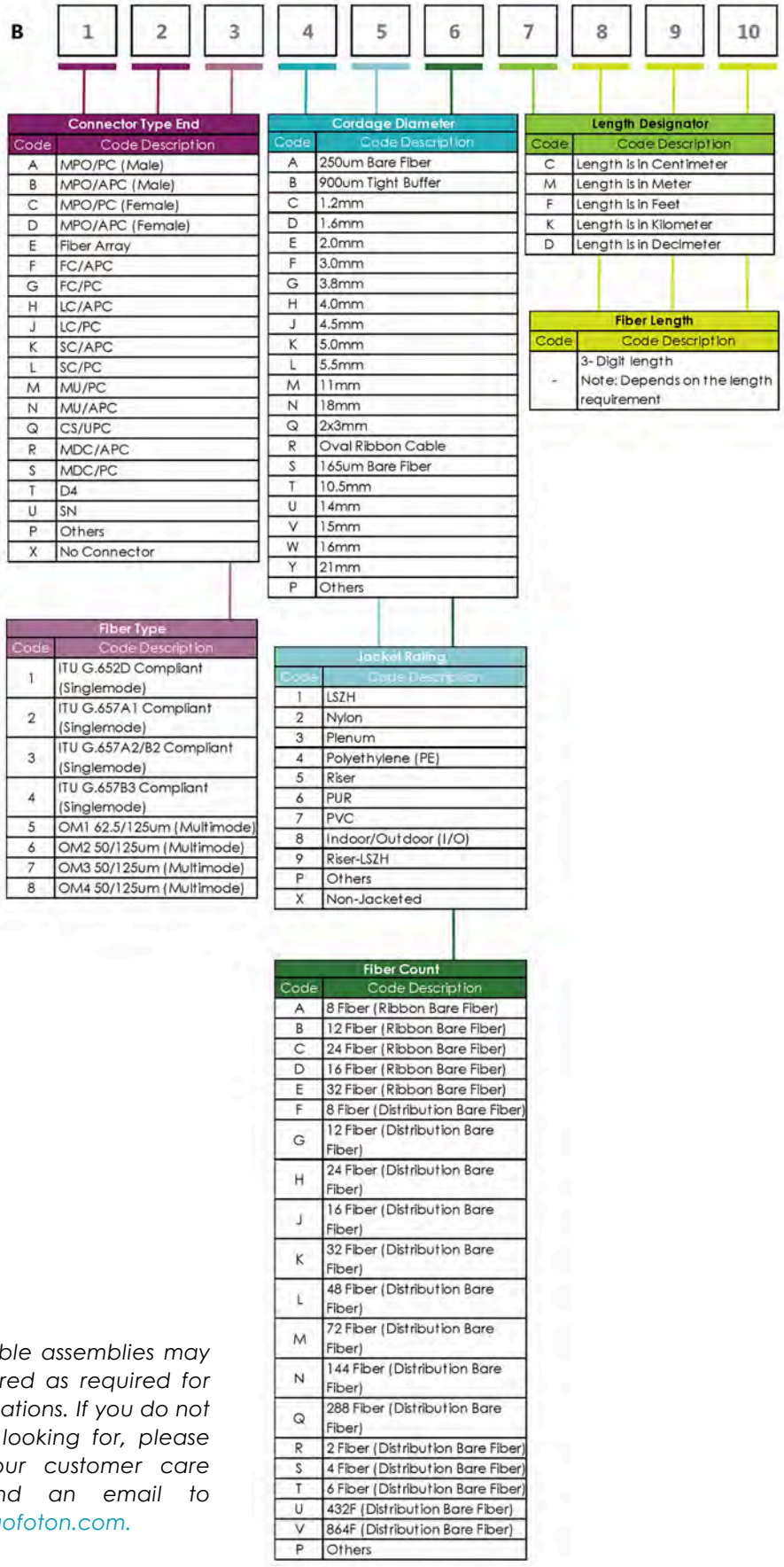
Return Loss

≤ 55dB typical, singlemode (UPC)
≤ 65dB typical, singlemode (APC)

Operating Temperature

-40°C to +85°C

Ordering Guide



Connector Type End	
Code	Code Description
A	MPO/PC (Male)
B	MPO/APC (Male)
C	MPO/PC (Female)
D	MPO/APC (Female)
E	Fiber Array
F	FC/APC
G	FC/PC
H	LC/APC
J	LC/PC
K	SC/APC
L	SC/PC
M	MU/PC
N	MU/APC
Q	CS/UPC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Cordage Diameter	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	3.8mm
H	4.0mm
J	4.5mm
K	5.0mm
L	5.5mm
M	11mm
N	18mm
Q	2x3mm
R	Oval Ribbon Cable
S	165um Bare Fiber
T	10.5mm
U	14mm
V	15mm
W	16mm
Y	21mm
P	Others

Length Designator	
Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length	
Code	Code Description
-	3- Digit length Note: Depends on the length requirement

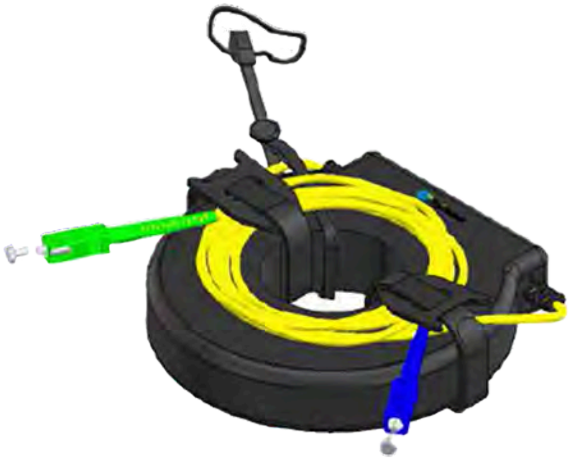
Fiber Type	
Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)

Jacket Rating	
Code	Code Description
1	LSZH
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count	
Code	Code Description
A	8 Fiber (Ribbon Bare Fiber)
B	12 Fiber (Ribbon Bare Fiber)
C	24 Fiber (Ribbon Bare Fiber)
D	16 Fiber (Ribbon Bare Fiber)
E	32 Fiber (Ribbon Bare Fiber)
F	8 Fiber (Distribution Bare Fiber)
G	12 Fiber (Distribution Bare Fiber)
H	24 Fiber (Distribution Bare Fiber)
J	16 Fiber (Distribution Bare Fiber)
K	32 Fiber (Distribution Bare Fiber)
L	48 Fiber (Distribution Bare Fiber)
M	72 Fiber (Distribution Bare Fiber)
N	144 Fiber (Distribution Bare Fiber)
Q	288 Fiber (Distribution Bare Fiber)
R	2 Fiber (Distribution Bare Fiber)
S	4 Fiber (Distribution Bare Fiber)
T	6 Fiber (Distribution Bare Fiber)
U	432F (Distribution Bare Fiber)
V	864F (Distribution Bare Fiber)
P	Others

NOTE: *All of our cable assemblies may be custom configured as required for your specific applications. If you do not see what you are looking for, please contact one of our customer care specialists or send an email to CustomerService@gofoton.com.*

Launch Cable



Description

Go!Foton's Launch Cable are designed to be used with an OTDR to measure complete link loss of a fiber. It consists of a single fiber with up to 1000 meter lengths which is much longer than fiber optic patch cords. These are also made with high quality and wide variety of connectors that have direct impact on the measurement results exceeding industry standards for all current and next generation applications.

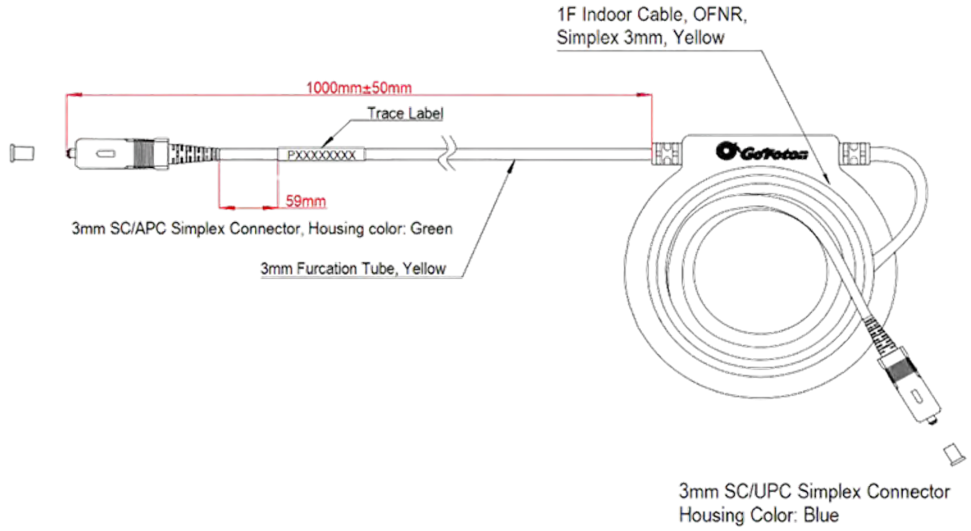
Features and Benefits

- Compact, rugged, and lightweight.
- Variety of connectors are available.
- Available up to 1000m lengths.
- 100% IL and RL tested and verified
- Controlled end-face geometry to improve connector performance.
- GR-326 compliant

Specifications

Optical	**Specification**
Insertion Loss	SM(PC): ≤0.25dB SM(APC): ≤0.35dB MM: ≤0.35dB
Return Loss	SM(PC): ≥50dB SM(APC): ≥60dB MM: ≥20dB
Fiber Type	Singlemode: G.652D, G.657A1, G.657A2/B2, G.657B3 Multimode: OM1, OM2, OM3, OM4
Mechanical	**Specification**
Fiber Jacket Type	OFNR, LSZH, OFNP and Dual OFNR/LSZH Rated
Cordage Diameter	2mm, 3mm
Connector Type	Customized as per customer required application
Fiber Length	Customized as per customer required application

Product Dimensions



Ordering Guide

J | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

Connector Type End

Code	Code Description
A	FC/APC
B	FC/PC
C	LC/APC
D	LC/PC
E	MU/PC
F	SC/APC
G	SC/PC
H	ST/APC
J	ST/PC
K	CS/UPC
N	MU/APC
R	MDC/APC
S	MDC/PC
T	D4
U	SN
P	Others
X	No Connector

Fiber Type

Code	Code Description
1	ITU G.652D Compliant (Singlemode)
2	ITU G.657A1 Compliant (Singlemode)
3	ITU G.657A2/B2 Compliant (Singlemode)
4	ITU G.657B3 Compliant (Singlemode)
5	OM1 62.5/125um (Multimode)
6	OM2 50/125um (Multimode)
7	OM3 50/125um (Multimode)
8	OM4 50/125um (Multimode)
P	N/A

Cordage Diameter

Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm
D	1.6mm
E	2.0mm
F	3.0mm
G	4.0mm
H	4.8mm
J	Bowtie/ Figure 8
K	5.0mm
L	165um Bare Fiber
P	Others

Jacket Rating

Code	Code Description
1	LSZZ
2	Nylon
3	Plenum
4	Polyethylene (PE)
5	Riser
6	PUR
7	PVC
8	Indoor/Outdoor (I/O)
9	Riser-LSZH
P	Others
X	Non-Jacketed

Fiber Count

Code	Code Description
A	1 Fiber (Simplex)
B	2 Fiber (Duplex)

Length Designator

Code	Code Description
C	Length is in Centimeter
M	Length is in Meter
F	Length is in Feet
K	Length is in Kilometer
D	Length is in Decimeter

Fiber Length

Code	Code Description
-	3- Digit length Note: Depends on the length requirement

EXAMPLE ORDER CODE:

Order Code: JFG3F5AM100
Description: LAUNCH JUMPER 1F SCA-SCU A2 RING 3MM 100M

1xN Planar Lightwave Circuit (PLC) Splitters

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 x4, x8, x16, x32 and x64 configurations with a variety of connector choices.

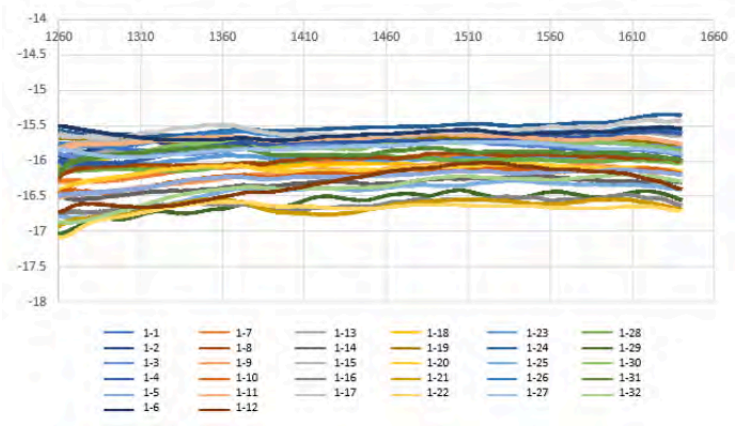
Features

- Low Insertion Loss
- Low Polarization Dependent Loss
- Exceptionally Stable and Reliable
- Telcordia GR-1209 & GR-1221 Compliant
- Excellent Uniformity
- Compact

Applications

- G-PON, XGS-PON, NG-PON2, 25G-PON, & 50G-PON
- Active Ethernet
- Fiber-to-the-Premise
- Fiber-to-the-Home

Spectrum Wavelength



Specifications

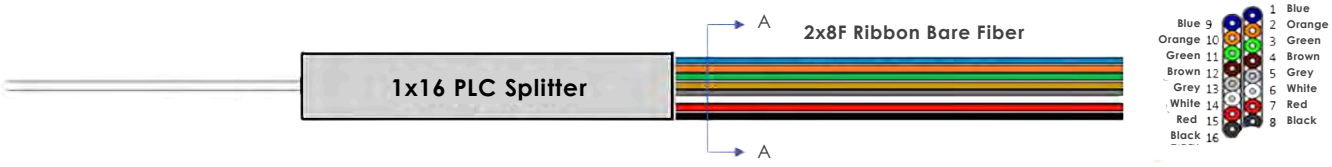
Optical and Electrical Characteristics

Parameter		Unit	1x2	1x4	1x8	1x12	1x16	1x24	1x32	1x64
Operating Wavelength		nm	1260~1620							
Coupling Ratio		nm	Even							
Insertion Loss		nm	≤3.9	≤7.4	≤10.9	≤13.2	≤14.1	≤16.4	≤17.4	≤20.4
Uniformity		nm	≤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		℃	-40~85							
Storage Temperature Range		℃	-40~85							
Fiber Type		-	ITU G657A2 Compliant Single Mode Fiber							
Package Size	Blockless	mm	40x4x4					50x7x4		60x12x4
	Mini		55x7x4				60x12x4	80x20x6		100x40x6
	Box (ABS)		100x80x10							120x80x16
	Enclosure		158x130x28.8					158x130x57.6		1RU 482.6x257.0x43.7

Notes:

- All specifications include connector losses.
- Uniformity is defined as the loss difference between all output ports.
- Other package size available upon request.

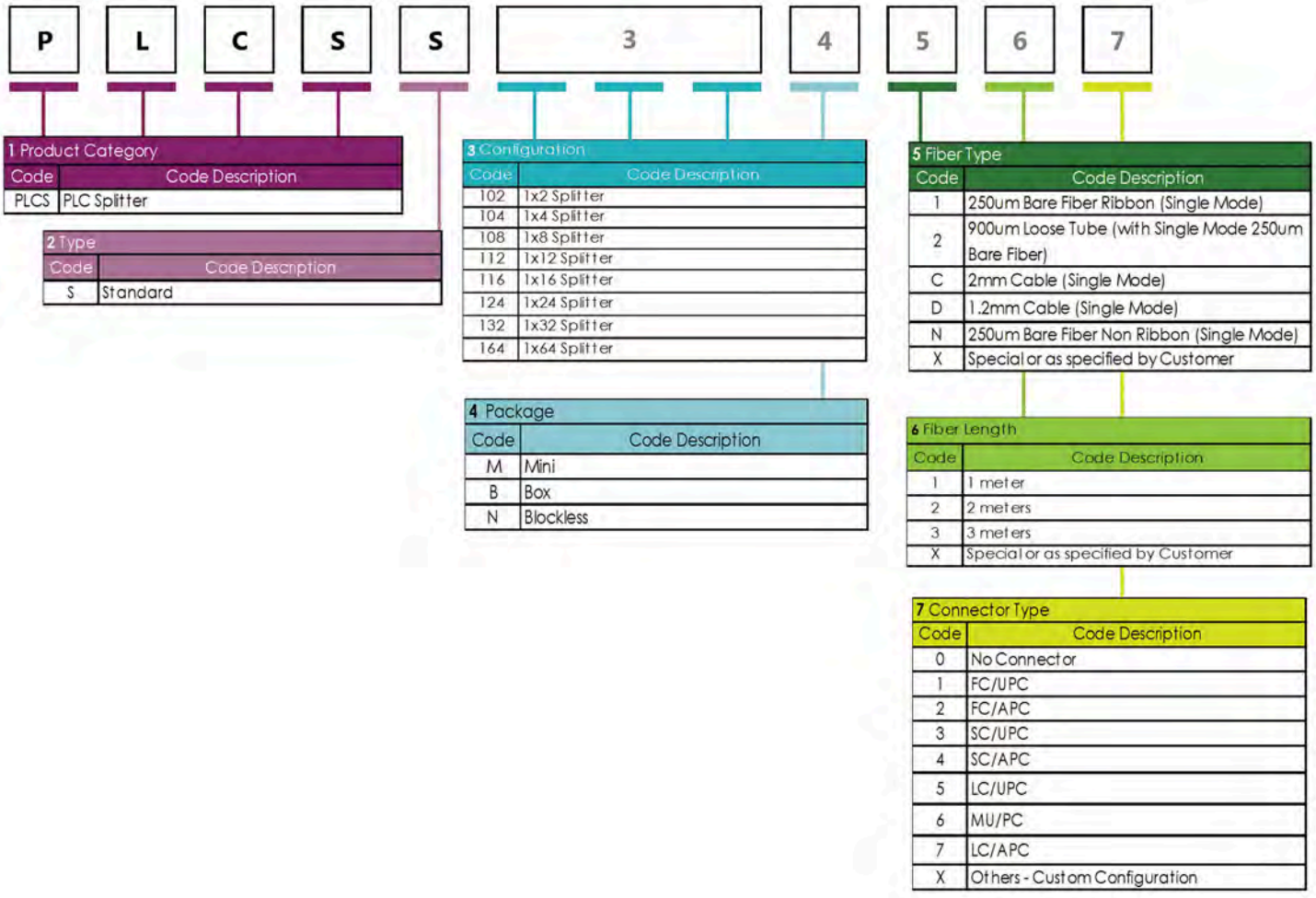
Ribbon Fiber Color Code



Note:
1x16: 2 sets of 8 fiber ribbons
1x32: 4 sets of 8 fiber ribbons
1x64: 8 sets of 8 fiber ribbons

Ordering Guide

PLC in Blockless, Mini, and Box Configurations



1 Product Category

Code	Code Description
PLCS	PLC Splitter

2 Type

Code	Code Description
S	Standard

3 Configuration

Code	Code Description
102	1x2 Splitter
104	1x4 Splitter
108	1x8 Splitter
112	1x12 Splitter
116	1x16 Splitter
124	1x24 Splitter
132	1x32 Splitter
164	1x64 Splitter

4 Package

Code	Code Description
M	Mini
B	Box
N	Blockless

5 Fiber Type

Code	Code Description
1	250um Bare Fiber Ribbon (Single Mode)
2	900um Loose Tube (with Single Mode 250um Bare Fiber)
C	2mm Cable (Single Mode)
D	1.2mm Cable (Single Mode)
N	250um Bare Fiber Non Ribbon (Single Mode)
X	Special or as specified by Customer

6 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

7 Connector Type

Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/PC
7	LC/APC
X	Others - Custom Configuration

Notes:

[1] Standard Fiber Type is ITU-T G657.A2/B2.

[2] Standard Fiber length tolerance is ±0.1meter.

[3] All ports are with connector of the same type.

[4] Only applicable for products which are not covered by the Standard Specification.

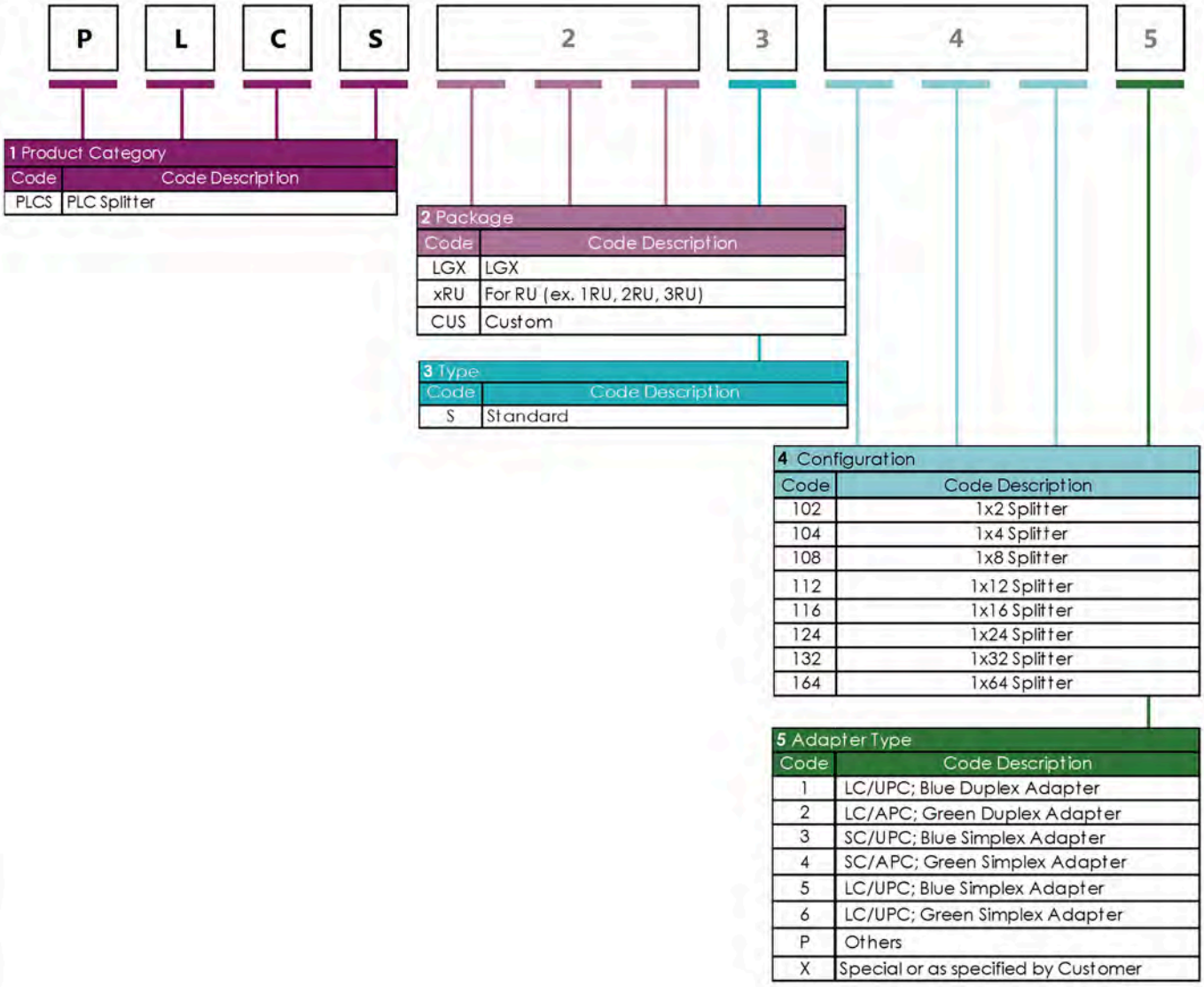
EXAMPLE ORDER CODE:

Order Code: PLCSS108M210

Description: 1X8 Standard PLC Splitter, Mini, 900um Loose Tube, one (1) meter fiber length without connectors

Ordering Guide

PLC in Enclosure Configurations



1 Product Category

Code	Code Description
PLCS	PLC Splitter

2 Package

Code	Code Description
LGX	LGX
xRU	For RU (ex. 1RU, 2RU, 3RU)
CUS	Custom

3 Type

Code	Code Description
S	Standard

4 Configuration

Code	Code Description
102	1x2 Splitter
104	1x4 Splitter
108	1x8 Splitter
112	1x12 Splitter
116	1x16 Splitter
124	1x24 Splitter
132	1x32 Splitter
164	1x64 Splitter

5 Adapter Type

Code	Code Description
1	LC/UPC; Blue Duplex Adapter
2	LC/APC; Green Duplex Adapter
3	SC/UPC; Blue Simplex Adapter
4	SC/APC; Green Simplex Adapter
5	LC/UPC; Blue Simplex Adapter
6	LC/UPC; Green Simplex Adapter
P	Others
X	Special or as specified by Customer

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 of the same type.

[3] Only applicable for products which are not covered by the Standard Specification.

EXAMPLE ORDER CODE:

Order Code: PLCSLGXS1082

Description: 1x8 Standard PLC Splitter in LGX with LC/APC Green Duplex Adapters

Engineered TAPs in Cassette

Description

Go!Foton's engineered TAPs are efficient solutions for rural and medium density FTTH deployments. FTTH deployments in areas with low to medium subscriber density can cost significantly more per home passed than in dense urban environment. With distributed tap architecture, fiber optics taps with a linear, daisy-chain topology are used instead of centralized splitters more commonly found with a traditional FDH Cabinet. Furthermore, the distributed tap architecture allows service providers to reach considerably more subscribers while actually using less distribution fibers!

Imagine taking a fiber in a fiber optic cable, cutting it in the middle, and splicing a tap in between. The optical signal passes through the tap and continues down the fiber while the tap drops off a portion of the signal for locally-connected subscribers. Multiple taps can be placed down the line until the optical link budget is exhausted.

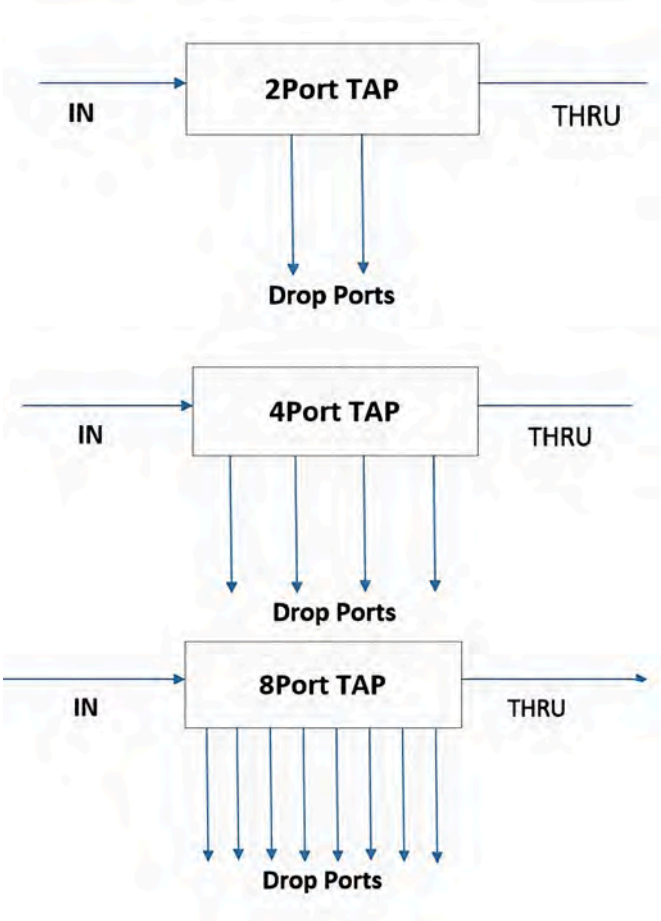
Features

- Less fiber required, same small fiber count cable can be used to pass all the homes
- Simplified design with less cable
- Lower cost and faster installation
- Certified to GR-1209/1221 Telcordia standards

Applications

- G-PON / XGS-PON / NG-PON2
- Fiber-to-the-Premise
- Fiber-to-the-Home
- Rural and Medium Density FTTH deployments

Product Dimensions



Optical Specifications

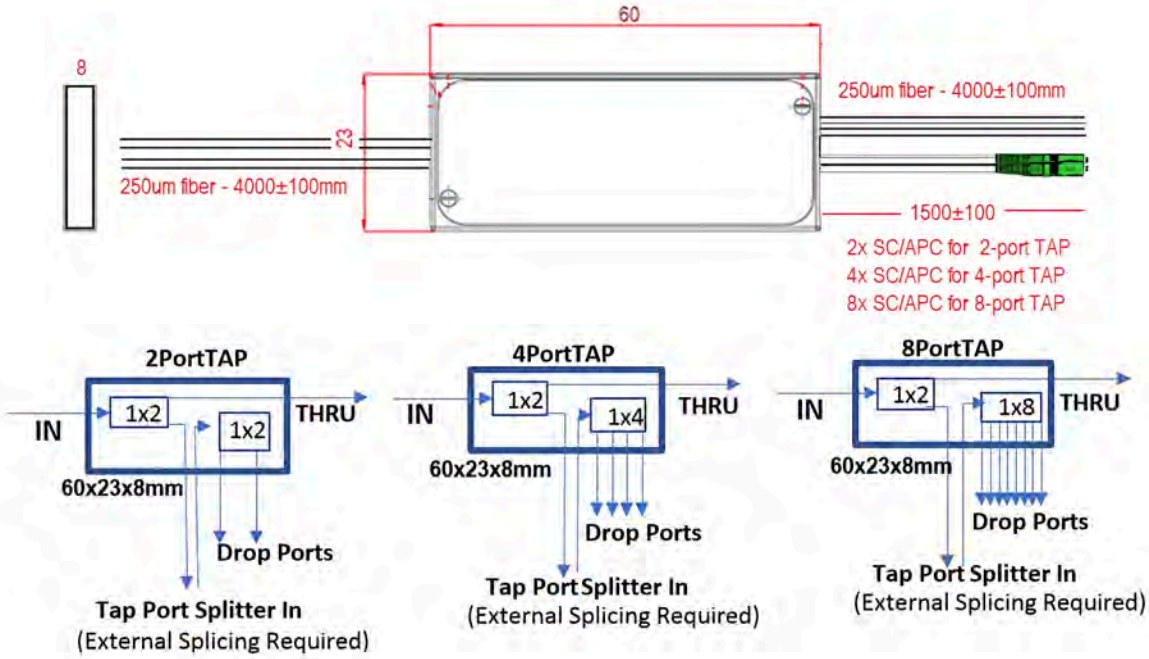
Parameter	Unit	Specifications	
Operating Wavelength Range	nm	1310±40 and 1550±40	
Return Loss	dB	≥ 55	
Directivity	dB	≥ 55	
PDL	dB	≤ 0.20	
Insertion Loss for 2-Port TAPs		Signal Port (THRU)	Drop Ports (Spliced)
21dB	dB	≤0.4	19.5~21.5
19dB	dB	≤0.5	16.5~18.5
17dB	dB	≤0.7	16.0~18.0
15dB	dB	≤0.8	14.2~15.8
14dB	dB	≤1.1	12.0~14.0
12dB	dB	≤1.3	10.5~12.5
10dB	dB	≤2.1	8.5~10.5
8dB	dB	≤2.7	7.5~9.5
7dB	dB	≤4.1	6.2~7.8
5dB	dB	≤6.0	4.2~5.8
4dB	dB	-	≤4.0
Insertion Loss for 4-Port TAPs		Signal Port (THRU)	Drop Ports (Spliced)
21dB	dB	≤0.6	18.5~20.5
19dB	dB	≤0.8	16.5~18.5
17dB	dB	≤1.0	15.5~17.5
15dB	dB	≤1.3	14.2~15.8
13dB	dB	≤2.0	12.2~13.8
11dB	dB	≤2.7	10.2~11.8
10dB	dB	≤4.0	9.0~11.5
9dB	dB	≤6.0	8.0~9.8
7dB	dB	-	6.2~7.8
Insertion Loss for 8-Port TAPs		Signal Port (THRU)	Drop Ports (Spliced)
21dB	dB	≤0.8	20.0~22.0
19dB	dB	≤1.0	18.5~21.5
17dB	dB	≤1.3	16.5~18.5
15dB	dB	≤2.0	15.0~16.8
14dB	dB	≤2.7	14.2~15.8
12dB	dB	≤4.1	12.8~14.4
11dB	dB	≤6.0	11.0~12.8

Mechanical Specifications

Operating Temperature		-40°C to 85°C
Operating humidity Range (No Condensation)		5 to 95% RH
Fiber Type		ITU-T G657-A2, G657-B2 and G652-D compliant Single Mode fiber
Buffer Type	IN, TAP, THRU Splitter Input (SP-IN)	250um Bare Fiber
	Splitter Output (Drop Ports)	White 900um Loose Tube
Connector Type	IN, TAP, THRU Splitter Input (SP-IN)	None
	Splitter Output (Drop Ports)	SC/APC
Port Identification	IN, TAP, THRU	Flag Label Input - IN, Tap Port - TAP Thru PORT - THRU
	Splitter Input (SP-IN) Splitter Output (Drop Ports)	Flag Label - (SP-IN) Cable Markers - O1, O2, O3, ...
Package Size	SP-IN and TAP needs external splicing.	60x23x8 mm
	SP-IN and TAP are pre-spliced inside the cassette.	70x45x8 mm
Package Material/Color		Black Aluminum

Ordering Guide

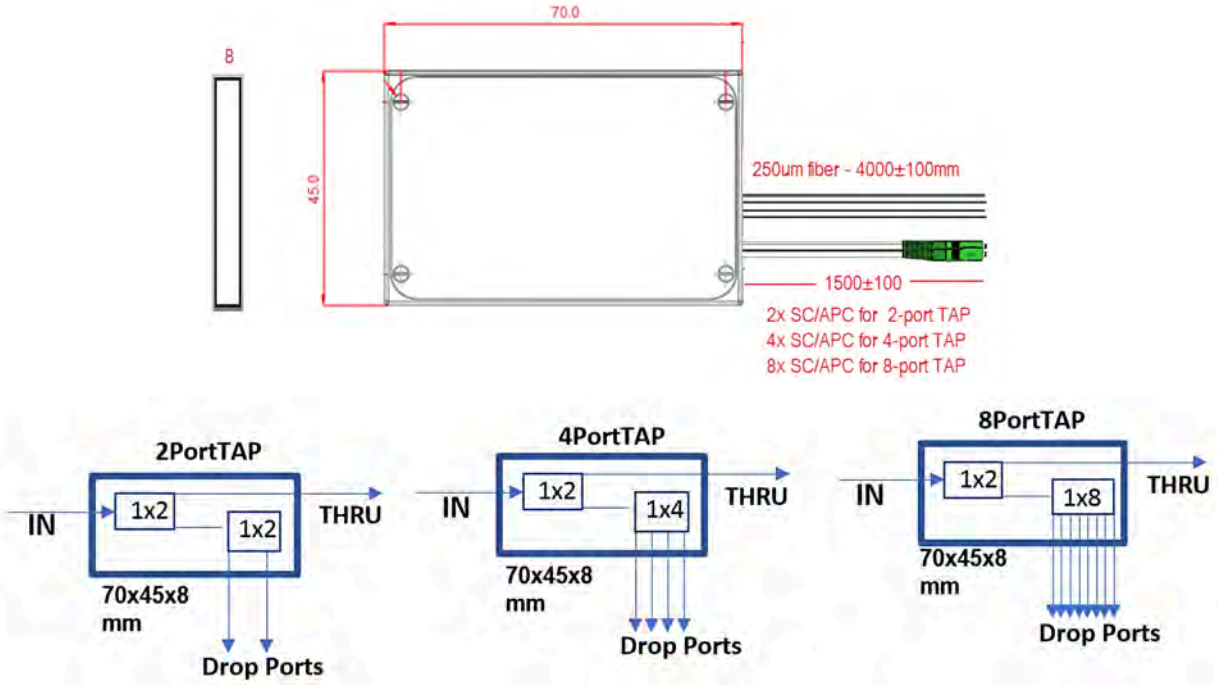
Item Number	Description
TC1201FWXXXGFT020	1X2 SPLITTER 21DB TAP 99/1 SCA DROP PORTS 60X23X8
TC1202FWXXXGFT020	1X2 SPLITTER 19DB TAP 98/2 SCA DROP PORTS 60X23X8
TC1203FWXXXGFT020	1X2 SPLITTER 17DB TAP 97/3 SCA DROP PORTS 60X23X8
TC1205FWXXXGFT020	1X2 SPLITTER 15DB TAP 95/5 SCA DROP PORTS 60X23X8
TC1206FWXXXGFT020	1X2 SPLITTER 14DB TAP 94/6 SCA DROP PORTS 60X23X8
TC1210FWXXXGFT020	1X2 SPLITTER 12DB TAP 90/10 SCA DROP PORTS 60X23X8
TC1220FWXXXGFT020	1X2 SPLITTER 10DB TAP 80/20SCA DROP PORTS 60X23X8
TC1225FWXXXGFT020	1X2 SPLITTER 8DB TAP 75/25 SCA DROP PORTS 60X23X8
TC1230FWXXXGFT020	1X2 SPLITTER 7DB TAP 70/30 SCA DROP PORTS 60X23X8
TC1240FWXXXGFT020	1X2 SPLITTER 5DB TAP 60/40 SCA DROP PORTS 60X23X8
TC1200FWXXXGFT020	1X2 SPLITTER 4DB TERM SCA DROP PORTS 60X23X8
TC1401FWXXXGFT021	1X4 SPLITTER 21DB TAP 99/1 SCA DROP PORTS 60X23X8
TC1402FWXXXGFT021	1X4 SPLITTER 19DB TAP 98/2 SCA DROP PORTS 60X23X8
TC1403FWXXXGFT021	1X4 SPLITTER 17DB TAP 97/3 SCA DROP PORTS 60X23X8
TC1405FWXXXGFT021	1X4 SPLITTER 15DB TAP 95/5 SCA DROP PORTS 60X23X8
TC1407FWXXXGFT021	1X4 SPLITTER 13DB TAP 93/7 SCA DROP PORTS 60X23X8
TC1410FWXXXGFT021	1X4 SPLITTER 11DB TAP 90/10 SCA DROP PORTS 60X23X8
TC1415FWXXXGFT021	1X4 SPLITTER 10DB TAP 85/15 SCA DROP PORTS 60X23X8
TC1420FWXXXGFT021	1X4 SPLITTER 9DB TAP 80/20 SCA DROP PORTS 60X23X8
TC1400FWXXXGFT021	1X4 SPLITTER 7DB TERM SCA DROP PORTS 60X23X8
TC18005FWXXXGFT023	1X8 SPLITTER 22DB TAP 99.5/0.5 SCA DROP 60X23X8
TC1801FWXXXGFT023	1X8 SPLITTER 21DB TAP 99/1 SCA DROP PORTS 60X23X8
TC1802FWXXXGFT023	1X8 SPLITTER 19DB TAP 98/2 SCA DROP PORTS 60X23X8
TC1803FWXXXGFT023	1X8 SPLITTER 17DB TAP 97/3 SCA DROP PORTS 60X23X8
TC1805FWXXXGFT023	1X8 SPLITTER 15DB TAP 95/5 SCA DROP PORTS 60X23X8
TC1806FWXXXGFT023	1X8 SPLITTER 14DB TAP 94/6 SCA DROP PORTS 60X23X8
TC1810FWXXXGFT023	1X8 SPLITTER 12DB TAP 90/10 SCA DROP PORTS 60X23X8
TC1800FWXXXGFT023	1X8 SPLITTER 11DB TERM SCA DROP PORTS 60X23X8



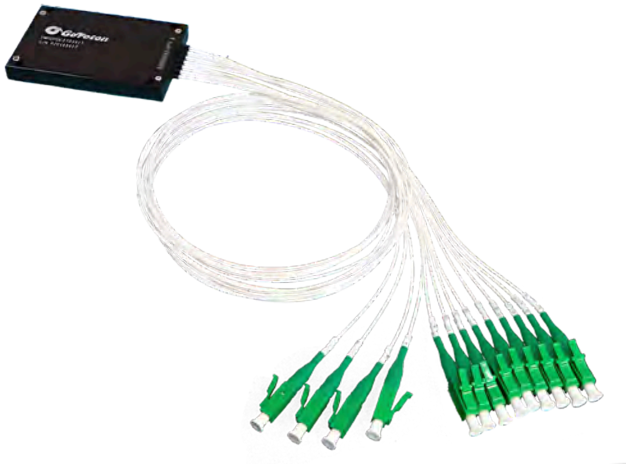
Ordering Guide

Item Number	Description
TC1201FWXXXGFT024	1X2 SPLITTER 21DB TAP 99/1 SCA DROP PORTS 70X45X8
TC1202FWXXXGFT024	1X2 SPLITTER 19DB TAP 98/2 SCA DROP PORTS 70X45X8
TC1203FWXXXGFT024	1X2 SPLITTER 17DB TAP 97/3 SCA DROP PORTS 70X45X8
TC1205FWXXXGFT024	1X2 SPLITTER 15DB TAP 95/5 SCA DROP PORTS 70X45X8
TC1206FWXXXGFT024	1X2 SPLITTER 14DB TAP 94/6 SCA DROP PORTS 70X45X8
TC1210FWXXXGFT024	1X2 SPLITTER 12DB TAP 90/10 SCA DROP PORTS 70X45X8
TC1220FWXXXGFT024	1X2 SPLITTER 10DB TAP 80/20SCA DROP PORTS 70X45X8
TC1225FWXXXGFT024	1X2 SPLITTER 8DB TAP 75/25 SCA DROP PORTS 70X45X8
TC1230FWXXXGFT024	1X2 SPLITTER 7DB TAP 70/30 SCA DROP PORTS 70X45X8
TC1240FWXXXGFT024	1X2 SPLITTER 5DB TAP 60/40 SCA DROP PORTS 70X45X8
TC1200FWXXXGFT024	1X2 SPLITTER 4DB TERM SCA DROP PORTS 70X45X8
TC1401FWXXXGFT025	1X4 SPLITTER 21DB TAP 99/1 SCA DROP PORTS 70X45X8
TC1402FWXXXGFT025	1X4 SPLITTER 19DB TAP 98/2 SCA DROP PORTS 70X45X8
TC1403FWXXXGFT025	1X4 SPLITTER 17DB TAP 97/3 SCA DROP PORTS 70X45X8
TC1405FWXXXGFT025	1X4 SPLITTER 15DB TAP 95/5 SCA DROP PORTS 70X45X8
TC1407FWXXXGFT025	1X4 SPLITTER 13DB TAP 93/7 SCA DROP PORTS 70X45X8
TC1410FWXXXGFT025	1X4 SPLITTER 11DB TAP 90/10 SCA DROP PORTS 70X45X8
TC1415FWXXXGFT025	1X4 SPLITTER 10DB TAP 85/15 SCA DROP PORTS 70X45X8
TC1420FWXXXGFT025	1X4 SPLITTER 9DB TAP 80/20 SCA DROP PORTS 70X45X8
TC1400FWXXXGFT025	1X4 SPLITTER 7DB TERM SCA DROP PORTS 70X45X8
TC18005FWXXXGFT026	1X8 SPLITTER 22DB TAP 99.5/0.5 SCA DROP 70X45X8
TC1801FWXXXGFT026	1X8 SPLITTER 21DB TAP 99/1 SCA DROP PORTS 70X45X8
TC1802FWXXXGFT026	1X8 SPLITTER 19DB TAP 98/2 SCA DROP PORTS 70X45X8
TC1803FWXXXGFT026	1X8 SPLITTER 17DB TAP 97/3 SCA DROP PORTS 70X45X8
TC1805FWXXXGFT026	1X8 SPLITTER 15DB TAP 95/5 SCA DROP PORTS 70X45X8
TC1806FWXXXGFT026	1X8 SPLITTER 14DB TAP 94/6 SCA DROP PORTS 70X45X8
TC1810FWXXXGFT026	1X8 SPLITTER 12DB TAP 90/10 SCA DROP PORTS 70X45X8
TC1800FWXXXGFT026	1X8 SPLITTER 11DB TERM SCA DROP PORTS 70X45X8

Note: For 70x45x8 mm package option, TAP & Splitter In ports are already spliced inside the cassette.



Multi-Channel CWDMs



Description

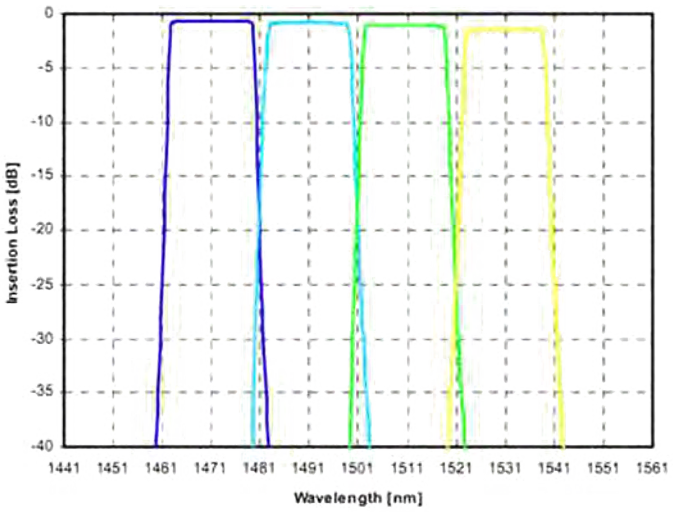
Based on Go!Foton's patented technology, SELMUX™ series is introduced to cover all TFF-based components using an all-glass platform for improved performance, such as lower insertion loss and higher thermal stability, with a competitive cost structure. Because of its high thermal stability, SELMUX series can offer compliance to Outside Plant (OSP) requirement upon request.

Go!Foton's Coarse Wavelength Division Multiplexing (CWDM) Mux and DeMux Modules are based on its unique TFF SELMUX technology that provides a high quality CWDM device with high channel isolation, low polarization dependent loss, flat and wide passband, and stable environmental performance. Go!Foton's TFF SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6.

Features

- RoHS 6/6 Compliant
- Low Insertion Loss
- High Channel Isolation
- Flat and Wide Passband
- Low Polarization Dependent Loss
- Epoxy-Free Optical Path
- Exceptionally Stable and Reliable
- Telcordia GR-1209 and GR-1221 Compliant
- Thin-Film-Filter based

Wavelength Spectrum



Applications

- CWDM Systems
- Metro/Access Network
- Enterprise Networks
- CATV Fiber Optic Links

Specifications

Parameter	Unit	2	4	8	16
Operating Wavelength	nm	1260~1640 or 1460~1640			
Channel Spacing	nm	20			
Pass Bandwidth	nm	λc ±6.5			
Center Wavelength	nm	1291,1311,1331,1351,1371,1391,1411,1431,1451,1471, 1491,1511,1531,1551,1571,1591,1611			
CDWDM Port Insertion Loss	dB	≤ 1.0 (P re m)		≤ 1.5(P re m)	≤
	dB	2.4(P re m)	≤ 3.0 (P re m)		
Passband WDL	dB	≤ 1.2(S td)	≤ 2.2(S td)	≤ 3.2(S td)	≤ 3.4(S
Adjacent Channel Isolation	dB	>30			
Non-Adjacent Channel Isolation	dB	>45			
Polarization Dependent Loss	dB	<0.2			
Optical Return Loss	dB	>50			
Directivity	dB	>55			
Optical Power Handling	mW	<500			
Operating Temperature Range	°C	-40 - +85			
Storage Temperature Range	°C	-40 - +85			
Fiber Type**	-	ITU G657A2,G657 B2 and G65D Compliant Single Mode			
Fiber Jacket***	-	Refer To Ordering Guide			
Fiber Length	m	Refer To Ordering Guide			
Package Size****	mm	Standard 8ch: 95x75x8 Standard 16ch: 110x90x8			
		Compact 8ch/4ch/2ch: 70x45x8			
		Compact 4ch/2ch: 60x35x6			
		1Slot LGX 2CH/4CH/: 58x130(118)x28.8(26.8)			
		2Slot LGX 16CH: 158x130(118)x57.6(56.1)			

Notes:

- See ordering guide on **page 142** for more details.

EXAMPLE ORDER CODE:

Order Code:
CW02X9N4761314

Description:
8CH CWDM Demultiplexer with channels, 1471~1611, 900um Tight Buffer (Single Mode) with SC/APC connectors, one (1) meter length

Order Code:
CWLGX947614

Description:
CWDM Module with channels, 1471~1611, SC/APC, SC Green Simplex Adapter

Multi-Channel DWDMs

Description

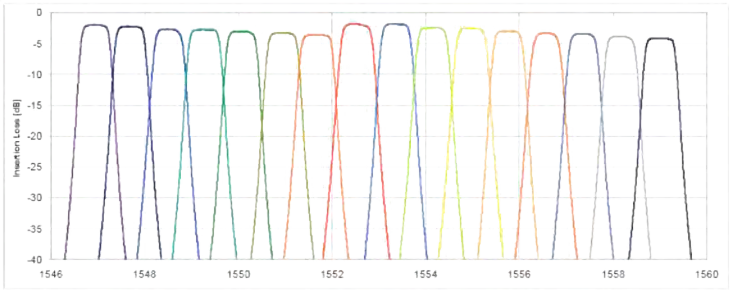
Based on Go!Foton's patented technology, SELMUX™ series is introduced to cover all TFF-based components using an all -glass platform for improved performance, such as lower insertion loss and higher thermal stability, with a competitive cost structure. Because of its high thermal stability, SELMUX series can offer compliance to Outside Plant (OSP) requirement upon request.

Go!Foton's DWDMs, are based on TFF SELMUX technology. This technology puts Go!Foton as one of only a few companies with a unique process for tuning the center wavelength in the DWDM spectrum.Using the SELFOC technology, the process eliminates the severe manufacturing burdens placed on the thin film filter, thus simplifying center wavelength tolerances and reducing cost. Go!Foton's SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6.

Features

- RoHS 6/6 Compliant
- Low Insertion Loss
- High Channel Isolation
- Flat and Wide Passband
- Low Polarization Dependent Loss
- Epoxy-Free Optical Path
- Exceptionally Stable and Reliable
- Telcordia GR-1209 and GR-1221 Compliant
- Thin-Film-Filter based

Wavelength Spectrum



Specifications

Parameter	Unit	2	4	8	12	16	20	40
Operating Wavelength	nm	ITU Channels						
Channel Spacing	GHz	100						
Center Wavelength	nm	ITU						
Passband Band Width	nm	λc±0.11						
DWDM port Insertion Loss	dB	≤1.2	≤2.2	≤3.2	≤3.4	≤3.8	≤4.0	≤4.2
Uniformity	dV	≤1.0		≤1.5			≤2.0	
Passband Ripple	dB	≤0.5						
Adjacent Channel Isolation	dB	≥30						
Non-Adjacent Channel Isolation	dB	≥45						
Polarization Dependent Loss	dB	≤0.20					≤0.25	
Optical Return Loss	dB	≥50						
Directivity	dB	≥50						
Optical Power Handling	mW	≤500						
Operating Temperature Range	°C	-40~85						
Storage Temperature Range	°C	-40~85						
Fiber Type		ITU G657A2, G657 B2 AND G652D Compliant Single Mode Fiber						
Port Identification		Port Label						
Package Size	mm	Cassette	2ch / 4ch: 60x35x6					
			8ch: 70x45x8					
			12ch/16ch/20ch: 110x90x8					
			40ch: 140x95x16					
		LGX	2ch / 4ch / 8ch: 1-slot 158x130(118)x28.8(26.8)					
			12ch / 16ch / 20ch: 2-slot 158x130(118)x57.6(56.1)					
			40ch: 3-slot 158x130(110)x87					

EXAMPLE ORDER CODE:

Order Code: DW02XDC2720317

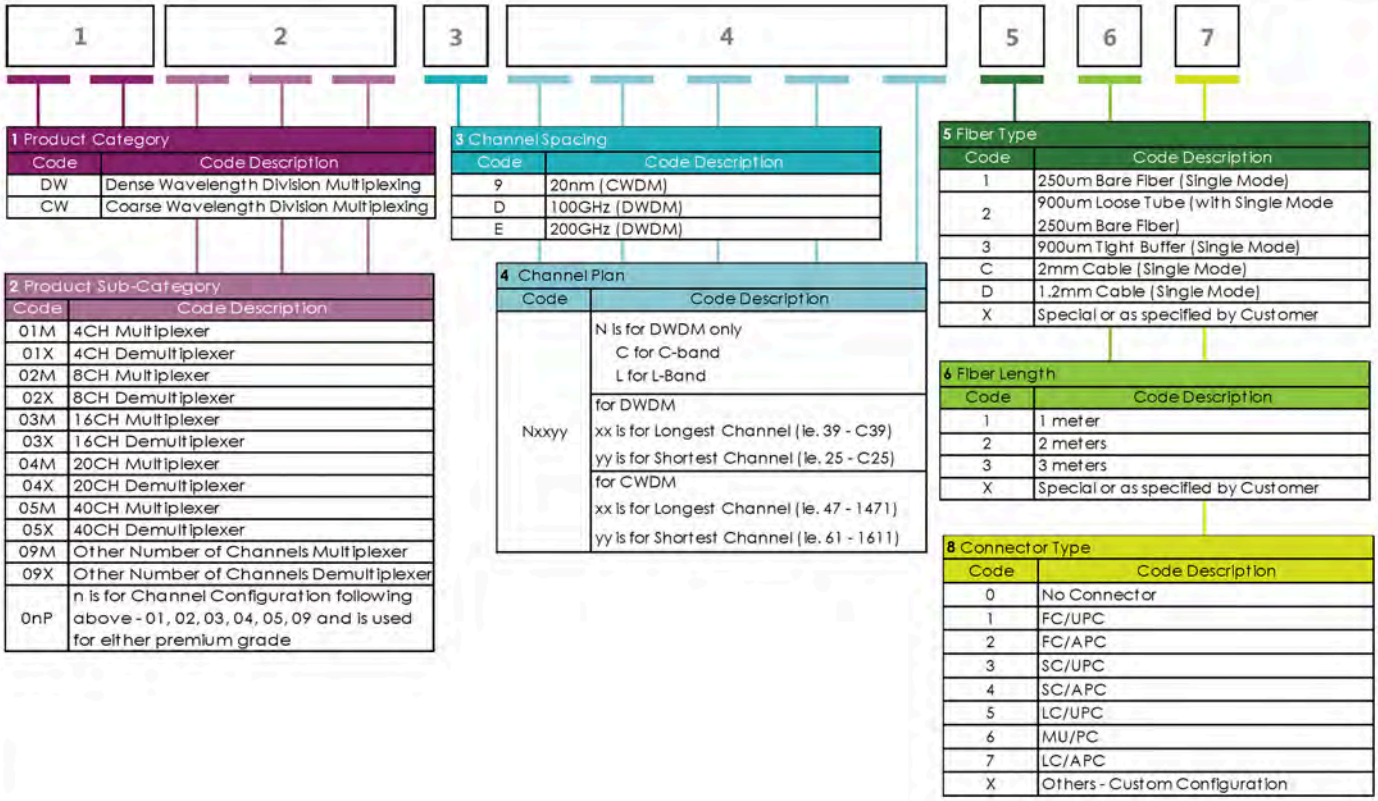
Description: 8CH 100GHz DWDM Demultiplexer with channels, C27-C20, 900um Tight Buffer (Single Mode) with LC/APC connectors, one (1) meter length

Order Code: DWLGXDC27202

Description: DWDM 100GHz Module, C27~C20, with LC/APC connectors and LC Green Duplex Adapter

Ordering Guide

WDM in Cassette



1 Product Category

Code	Code Description
DW	Dense Wavelength Division Multiplexing
CW	Coarse Wavelength Division Multiplexing

2 Product Sub-Category

Code	Code Description
01M	4CH Multiplexer
01X	4CH Demultiplexer
02M	8CH Multiplexer
02X	8CH Demultiplexer
03M	16CH Multiplexer
03X	16CH Demultiplexer
04M	20CH Multiplexer
04X	20CH Demultiplexer
05M	40CH Multiplexer
05X	40CH Demultiplexer
09M	Other Number of Channels Multiplexer
09X	Other Number of Channels Demultiplexer
0nP	n is for Channel Configuration following above - 01, 02, 03, 04, 05, 09 and is used for either premium grade

3 Channel Spacing

Code	Code Description
9	20nm (CWDM)
D	100GHz (DWDM)
E	200GHz (DWDM)

4 Channel Plan

Code	Code Description
Nxxyy	N is for DWDM only C for C-band L for L-Band
	for DWDM xx is for Longest Channel (ie. 39 - C39) yy is for Shortest Channel (ie. 25 - C25)
	for CWDM xx is for Longest Channel (ie. 47 - 1471) yy is for Shortest Channel (ie. 61 - 1611)

5 Fiber Type

Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube (with Single Mode 250um Bare Fiber)
3	900um Tight Buffer (Single Mode)
C	2mm Cable (Single Mode)
D	1.2mm Cable (Single Mode)
X	Special or as specified by Customer

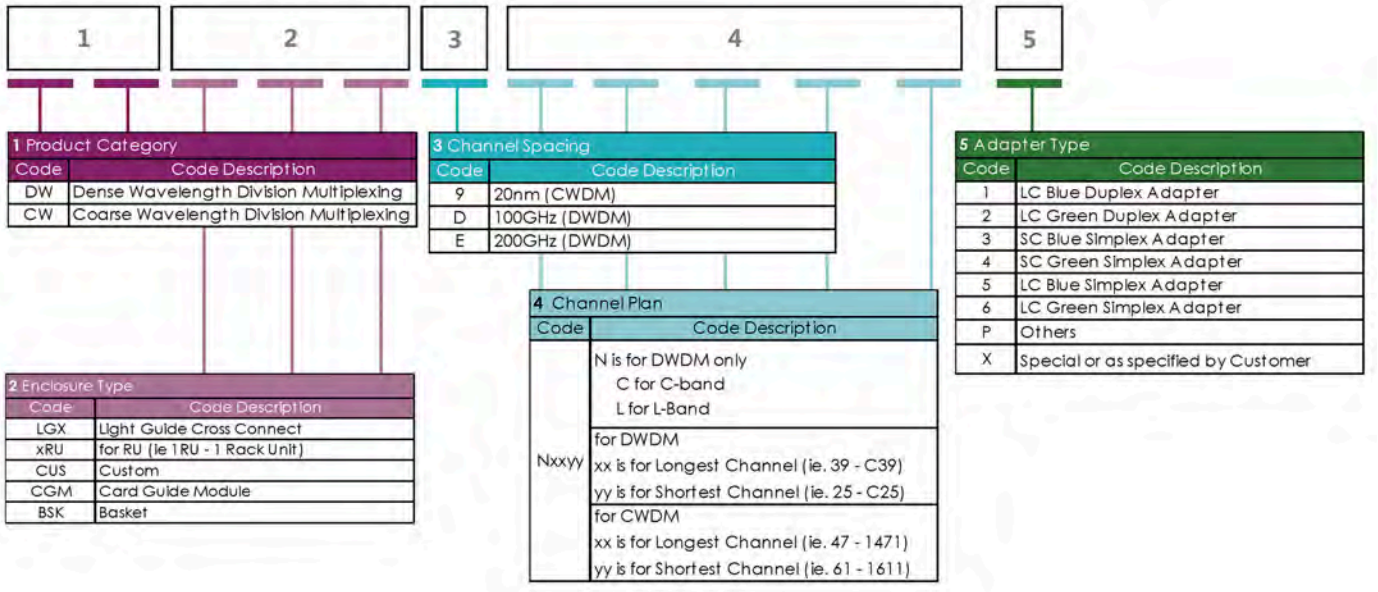
6 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

8 Connector Type

Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/PC
7	LC/APC
X	Others - Custom Configuration

WDM in Enclosure



1 Product Category

Code	Code Description
DW	Dense Wavelength Division Multiplexing
CW	Coarse Wavelength Division Multiplexing

2 Enclosure Type

Code	Code Description
LGX	Light Guide Cross Connect
xRU	for RU (ie 1RU - 1 Rack Unit)
CUS	Custom
CGM	Card Guide Module
BSK	Basket

3 Channel Spacing

Code	Code Description
9	20nm (CWDM)
D	100GHz (DWDM)
E	200GHz (DWDM)

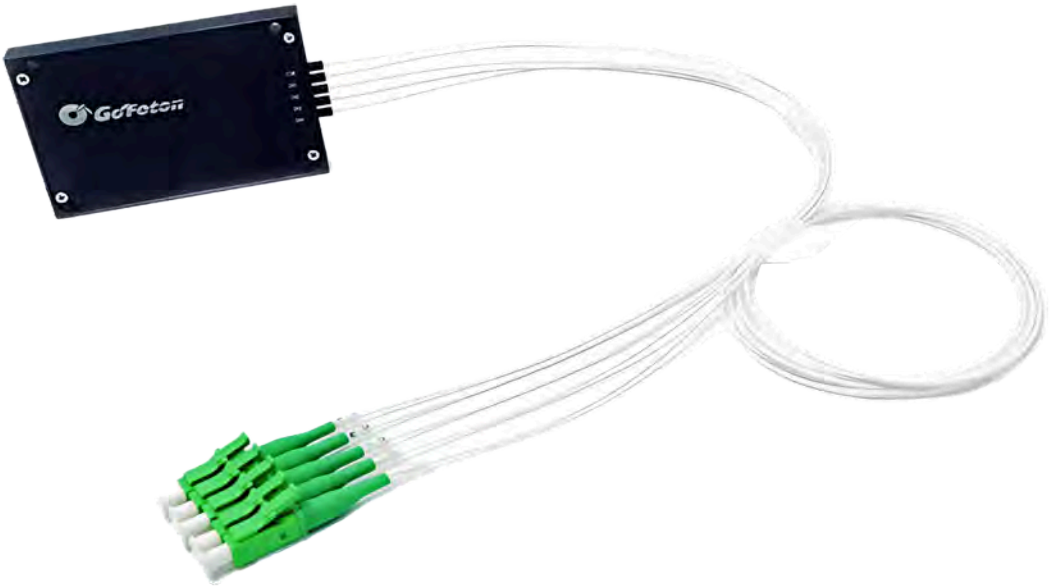
4 Channel Plan

Code	Code Description
Nxxyy	N is for DWDM only C for C-band L for L-Band
	for DWDM xx is for Longest Channel (ie. 39 - C39) yy is for Shortest Channel (ie. 25 - C25)
	for CWDM xx is for Longest Channel (ie. 47 - 1471) yy is for Shortest Channel (ie. 61 - 1611)

5 Adapter Type

Code	Code Description
1	LC Blue Duplex Adapter
2	LC Green Duplex Adapter
3	SC Blue Simplex Adapter
4	SC Green Simplex Adapter
5	LC Blue Simplex Adapter
6	LC Green Simplex Adapter
P	Others
X	Special or as specified by Customer

GPON / XGS-PON Coexistence Element



Description

Based on Go!Foton's patented technology, SELMUX™ series is introduced to cover all TFF based components using an all-glass platform for improved performance, such as lower insertion loss and higher thermal stability, with a competitive cost structure. Because of its high thermal stability, SELMUX series can offer compliance to Outside Plant (OSP) requirement upon request.

Go!Foton's WDM module or coexistence element (CEx)Modules are based on its unique TFF SELMUX technology that provides a high quality CWDM device with high channel isolation, low polarization dependent loss, flat and wide passband, and stable environmental performance. Go!Foton's TFF SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6. Also, WDM module or coexistence element (CEx) designed to enable the implementation of PON access network evolution such as XGS-PON and NG-PON2.

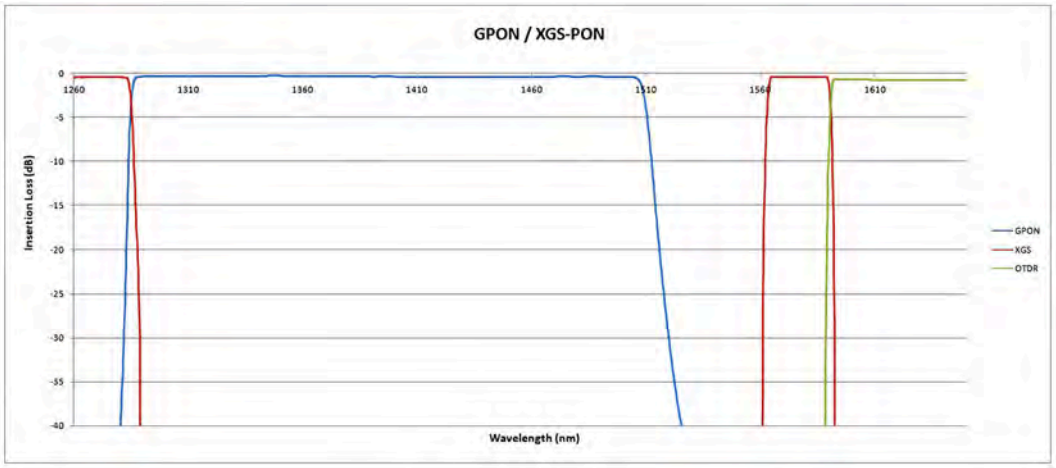
Features

- RoHS 6/6 Compliant
- Low Insertion Loss
- Flat and Wide Passband
- Low Polarization Dependent Loss (Both Signal and Tap Ports)
- Epoxy-Free Optical Path
- Exceptionally Stable and Reliable
- Telcordia GR-1209 and GR-1221 Compliant
- Thin-Film-Filter based

Applications

- FTTH Systems
- Metro/Access Network
- Data Center
- Telecom Central Office
- CATV Headend + OSP Cabinets

Wavelength Spectrum



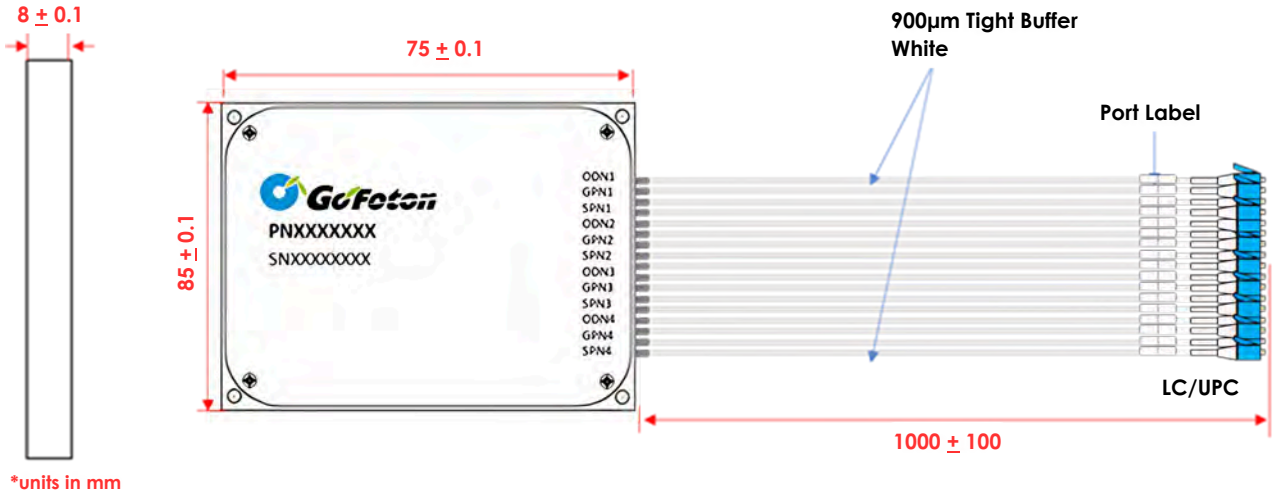
Specifications

Parameter		Unit	Specification
Wavelength Range	COM/ODN	nm	1260~1645
	XGS <-> COM/ODN		1260~1280 / 1575~1581
	GPON <-> COM/ODN		1290~1330 / 1480~1500
	OTDR Port <-> COM/ODN		1605~1645
Insertion Loss (1)	GPON Port	dB	≤1.0
	XGSPON Port		≤1.2
	OTDR Port		≤1.6
Isolation	COM/ODN → XGSPON Port		≥ 30 @ GPON and OTDR W avelengths
	COM/ODN → GPON Port		≥ 30 @ XGS and OTDR W avelengths
	COM/ODN → ODTR Port		≥ 30 @ GPON and XGS W avelengths
WDL or Ripple		dB	≤0.50
Polarization Dependent Loss		dB	≤0.20
Return Loss (2)		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 G657A2, G657 B2 and G65D Compliant Single Mode Fiber
Fiber Jacket**		-	900μm Tight Buffer
Package Size		mm	70x45x8
Configurations		-	1set of CEx1 Configuration in Cassette
Accessibility		-	LC Connectors

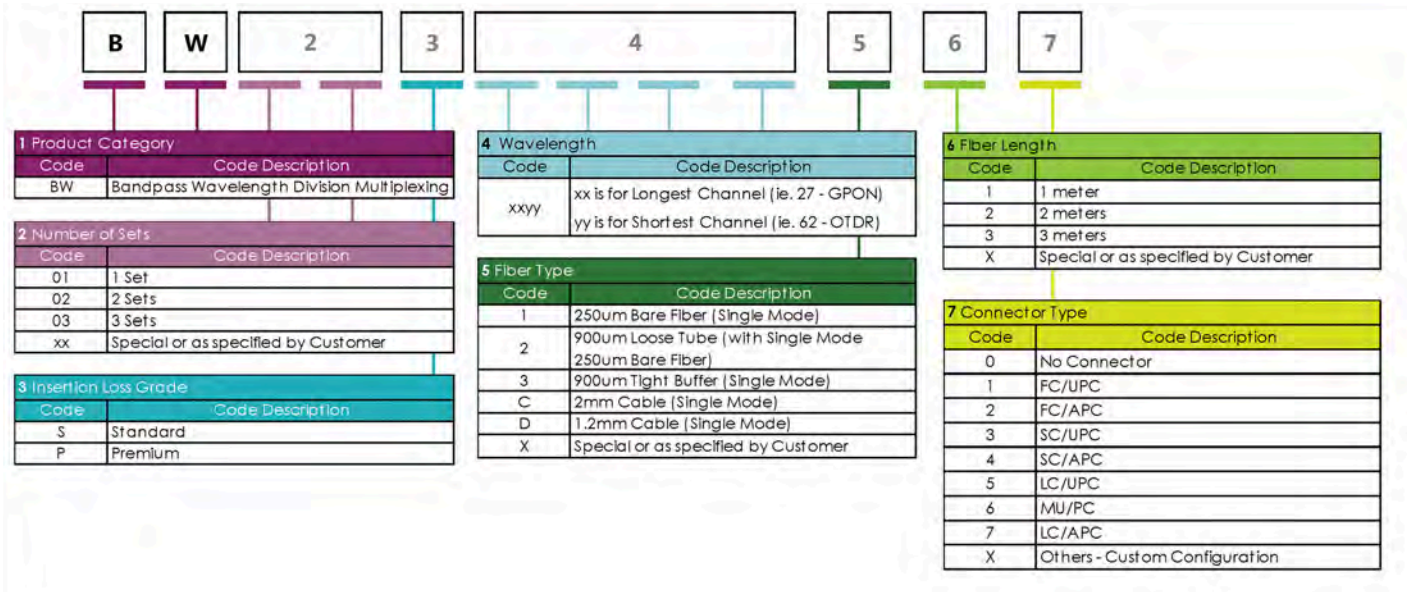
Note: All specifications are with fiber connectors

Table 1: Port Identification for set 1	
Port	Label at Inner Box (Laser marking)
Common	ODN1
GPON	GPN1
SuperPON	SPN1

Laser Marking



Ordering Guide



1 Product Category	
Code	Code Description
BW	Bandpass Wavelength Division Multiplexing

2 Number of Sets	
Code	Code Description
01	1 Set
02	2 Sets
03	3 Sets
xx	Special or as specified by Customer

3 Insertion Loss Grade	
Code	Code Description
S	Standard
P	Premium

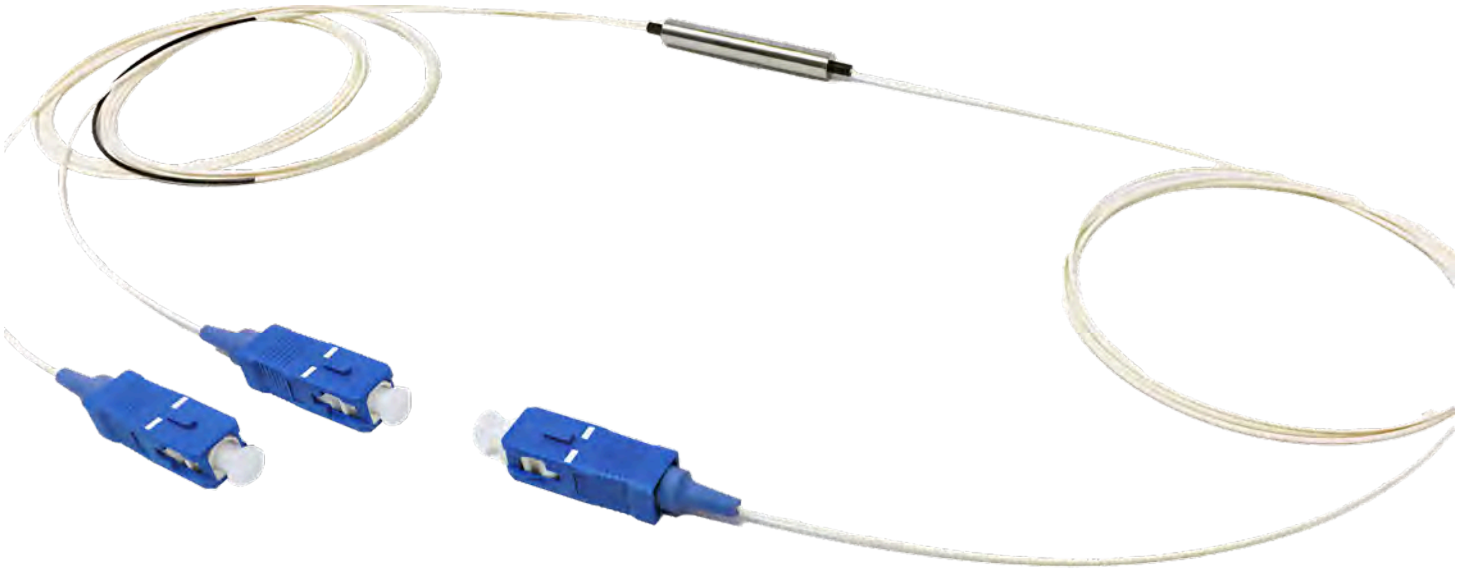
4 Wavelength	
Code	Code Description
xxyy	xx is for Longest Channel (ie. 27 - GPON) yy is for Shortest Channel (ie. 62 - OTDR)

5 Fiber Type	
Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube (with Single Mode 250um Bare Fiber)
3	900um Tight Buffer (Single Mode)
C	2mm Cable (Single Mode)
D	1.2mm Cable (Single Mode)
X	Special or as specified by Customer

6 Fiber Length	
Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

7 Connector Type	
Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/PC
7	LC/APC
X	Others - Custom Configuration

1x2 Single Channel CWDMs



Description

Based on Go!Foton's patented technology, SELMUX™ series is introduced to cover all TFF-based components using an all-glass platform for improved performance, such as lower insertion loss and higher thermal stability, with a competitive cost structure. Because of its high thermal stability, SELMUX series can offer compliance to Outside Plant (OSP) requirement upon request.

Go!Foton's Coarse Wavelength Division Multiplexing (CWDM), is based on Go!Foton's unique TFF SELMUX technology that provides a high quality CDWM device with high channel isolation, low polarization dependent loss, flat and wide passband, and stable environmental performance.

Features

- Low Polarization Dependent Loss
- Exceptionally Stable and Reliable
- Telcordia GR-1209 and GR-1221 Compliant
- Flat and Wide Passband
- Epoxy- Free Optical Path
- High Channel Isolation
- Thin-Film-Filter based
- RoHS 6/6 Compliant
- Low Insertion Loss

Applications

- Coarse WDM Systems
- Metro Access Networks
- CATV Fiber Optic Links
- Access/ Enterprise Networks

Specifications

Optical Characteristics

Parameter	Unit	Port	Specification
Operating Wavelength Range	nm	All	1260~1620
Center Wavelength	nm	-	1271, 1291, 1311, 1331, 1351, 1371, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Passband Width	nm	-	±6.5
Pass Channel Insertion Loss	dB	P1 -> P3	≤1.0
Reflecon Channel Insertion Loss	dB	P1 -> P2	≤0.60
Wavelength Dependent Loss	dB	All	≤0.50
Pass Channel Isolation - Adjacent	dB	P1 -> P3	≥30
Pass Channel Isolation- Non-Adjacent	dB	P1->P3	≥45
Reflect Channel Isolation	dB	P1->P2	≥12
Polarization Dependent Loss	dB	All	≤0.10
Return Loss	dB	All	≥50
Directivity	dB	P2<->P3	≥50
Maximum Optical Power Handling	mW	All	500
Operating Temperature	˚C	All	-40~+85
Operating Humidity Range (No Condensation)	%RH	All	+5~+85
Storage Temperature Range	˚C	All	-40~+85

Mechanical Specifications

Parameter	Unit	Port	Specification
Fiber Type[1]	-	All	ITU G657A2/B2 and G652D Compliant Fiber
Port Idenfication	-	P1 P2 P3	Black Mark (100 +/-50mm) None None
Package Size (Cylindrical Metal Housing)	mm	-	Φ5.5xL40

Ordering Guide

C W 2 3 4 5 6 7

2 Sub Family

Code	Code Description
90D	Drop
90A	Add

3 Channel Spacing

Code	Code Description
9	20nm

4 Pass Channel

Code	Code Description
xxx	Last 3 digits of CW

5 Fiber Type

Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube White
3	900um Tight Buffer (Single Mode)
D	1.2mm Cable (Single Mode)
X	Special or as specified by Customer

6 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

7 Connector Type

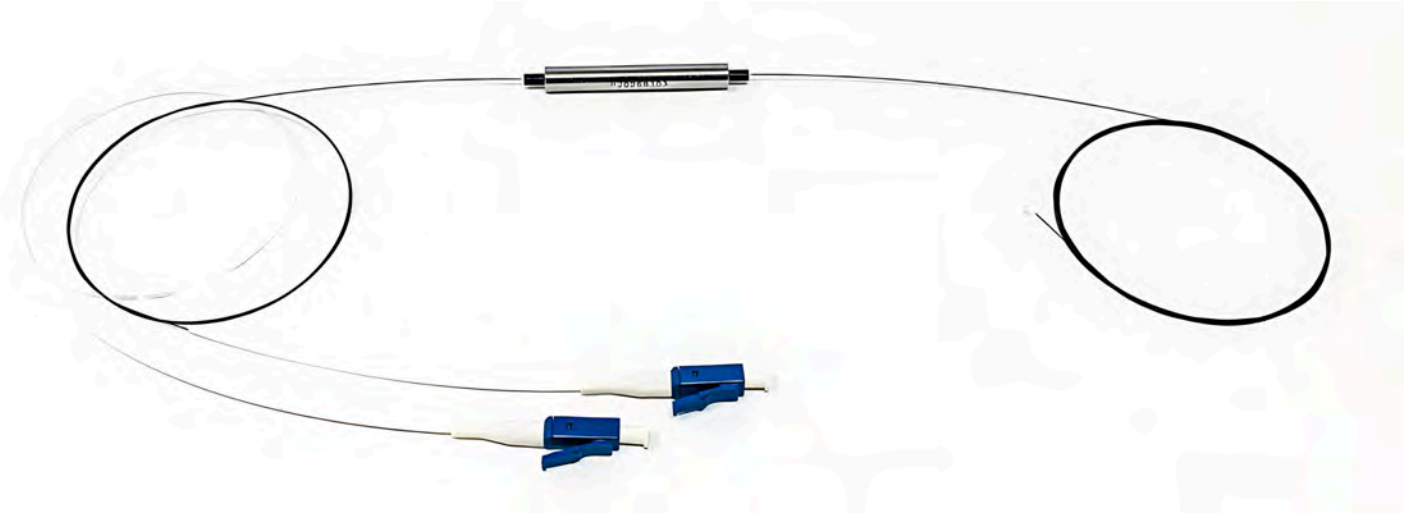
Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/UPC
7	LC/APC
X	Special or as specified by customer

EXAMPLE ORDER CODE:

Order Code: CW90D9551310

Description: CWDM, 3PM, 20nm, 1551, 900μm Tight Buffer, 1 meter length, no connector on all ports.

1x2 Single Channel DWDMs



Description

Based on Go!Foton's patented technology, SELMUX™ series is introduced to cover all TFF-based components using an all-glass platform for improved performance, such as lower insertion loss and higher thermal stability, with a competitive cost structure. Because of its high thermal stability, SELMUX series can offer compliance to Outside Plant (OSP) requirement upon request.

Go!Foton's DWDMs, are based on Go!Foton's patent pending technology. This technology puts Go!Foton as one of only few companies with a unique process for tuning the center wavelength in the DWDM spectrum. Based on NSG's unique SELFOC technology, the process eliminates the severe manufacturing burdens placed on the thin film filter, thus simplifying center wavelength tolerances and reducing cost. Go!Foton's SELMUX products are epoxy-free in the optical path and are in compliance with RoHS 6/6.

Features

- Low Polarization Dependent Loss
- Exceptionally Stable and Reliable
- Telcordia GR-1209 and GR-1221 Compliant
- Flat and Wide Passband
- Epoxy- Free Optical Path
- High Channel Isolation
- Thin-Film-Filter based
- RoHS 6/6 Compliant
- Low Insertion Loss

Applications

- Dense WDM Systems
- Metro Networks
- Access/ Enterprise Networks
- Long Haul Networks
- CATV Fiber Optic Links

Optical Specifications

Parameter	Unit	Specification
Operating Wavelength Range	nm	1520~1620
Center Wavelength	nm	ITU
Passband Width	GHz	±12.5
Channel Spacing	GHz	100
Pass Channel Insertion Loss	dB	≤1.0
Reflect Channel Insertion	dB	≤0.60
Wavelength Dependent Loss	dB	≤0.50
Pass Channel Isolation - Adjacent	dB	≥30
Pass Channel Isolation -|Non-Adjacent	dB	≥45
Reflection Channel Isolation	dB	≥12
Polarization Dependent Loss	dB	≤0.10
Return Loss	dB	≥50
Directivity	dB	≥50
Maximum Optical Power Handling	mW	500
Operating Temperature	℃	-40~+85
Operating Humidity Range (No Condensation)	%RH	+5~+85
Storage Temperature Range	℃	-40~+85

Mechanical Specifications

Parameter	Unit	Specification
Fiber Type	-	ITU G657A2/B2 and BG652D Compliant
Port Identification	-	Black Mark None None
Package Size (Cylindrical Metal Housing)	mm	Ø5.5xL40

Ordering Guide

D W | 2 | 3 | 4 | 5 | 6 | 7

2 Sub Family

Code	Code Description
90D	Drop
90A	Add

3 Channel Spacing

Code	Code Description
D	100GHz
E	200GHz

4 Pass Channel

Code	Code Description
yyy	DWDM Channel (L or C Band)

5 Fiber Type

Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube White
3	900um Tight Buffer (Single Mode)
D	1.2mm Cable (Single Mode)
X	Special or as specified by Customer

6 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

7 Connector Type

Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/UPC
7	LC/APC
X	Special or as specified by customer

EXAMPLE ORDER CODE:

Order Code: DW90DDC21110

Description: DWDM, 3PM, 100GHz, C21, 250μm Bare Fiber, 1 meter length, no connector on all ports

High Isolation Edge WDM (EWDM) for PON

Description

Go!Foton's High Isolation EWDM is ideal for FTTx and B-PON/ G-PON applications. This coupler is based on Go!Foton's new SELMUX™ patented technology which optimizes glass, epoxy and Filter-on-Lens (FOL) technologies to create a High Isolation 3-port EWDM device with low PDL, low insertion loss and stable environmental performance in a compact size. Because of this revolutionary technology, Go!Foton's High Isolation EWDM are one of the smallest packaging sizes available in the market today. All SELMUX products have eliminated soldering in the manufacturing process so they are completely lead-free and comply with EU directives on Restriction of Hazardous Substances or RoHS.

Features

- ITU Recommended Wavelength Grid
- High Isolation
- Telcordia GR-1209 and GR-1221 Compliant
- Low Polarization Dependent Loss
- Low Insertion Loss
- Flat and Wide Passband
- Epoxy- Free Optical Path
- Exceptionally Stable and Reliable
- RoHS Compliant (Lead Free)

Applications

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

Optical Specifications

Parameter	Unit	Specification	
Operating Wavelength Range	nm	1260~1560	
Pass Channel Wavelength Range	nm	**Short Pass** 1260~1360 + 1480~1500	**Long Pass** 1550~1560
Reflection Channel Wavelength Range	nm	1550~1560	1260~1360 + 1480~1500
Pass Channel Insertion Loss	dB	≤1.0	
Reflection Channel Insertion Loss	dB	≤1.2	
Wavelength Dependent Loss	dB	≤0.50	
Pass Channel Isolation	dB	≥40 @ Λ_R	
Reflection Channel Isolation	dB	≥40 @ Λ_P	
Polarization Dependent Loss	dB	≤0.20	
Return Loss	dB	≥50	
Directivity	dB	≥50	
Maximum Optical Power Handling	mW	500	
Operating Temperature	℃	-40~+85	
Operating Humidity Range (No Condensation)	%RH	+5~+85	
Storage Temperature Range	℃	-40~+85	

Mechanical Specifications

Parameter	Unit	Port	Specification
Fiber Type	-	All	ITU G657A2/B2 and G652D Compliant Fiber
Port Identification	-	P1	Black Mark (100 +/-50mm)
		P2	None
Package Size (Cylindrical Metal Housing)	mm	-	Φ5.5xL40

Ordering Guide

E W | 2 | 3 | 4 | 5 | 6 | 7

2 Isolation Grade

Code	Code Description
SS	3PM Standard
SP	3PM Premium
CS	Cassette Standard
CP	Cassette Premium

3 Pass Wavelength

Code	Code Description
M	1260~1360nm & 1480~1500nm
O	1260~1360nm
K	1550~1560nm
N	1480~1500nm & 1550~1560nm
XXX	Last 3 digits of Pass CW

4 Reflect Wavelength

Code	Code Description
M	1260~1360nm & 1480~1500nm
O	1260~1360nm
K	1550~1560nm
N	1480~1500nm & 1550~1560nm
XXX	Last 3 digits of Pass CW

5 Fiber Type

Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube White (with Single Mode 250um Bare)
3	900um Tight Buffer (Single Mode)
M	1.2mm Cable Tight Buffer (Single Mode)
D	1.2mm Cable (Single Mode)
X	Special or as specified by Customer

6 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

7 Connector Type

Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/UPC
7	LC/APC
X	Special or as specified by customer

Thin Film Filter 1x2 Tap Coupler Single Mode

Description

Go!Foton's Single Mode TFF Tap Coupler is a compact, Thin-Film- Filter based, and low signal loss component designed for splitting signal wavelength. This device is ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability. Reliability is guaranteed to fully meet Telcordia GR-1221 requirements.

Features

- ITU Recommended Wavelength Grid
- Telcordia GR-1221 Compliant
- Low Polarization Dependent Loss
- Low Insertion Loss
- Flat and Wide Passband
- Epoxy- Free Optical Path
- Exceptionally Stable and Reliable
- RoHS Compliant (Lead Free)

Applications

- Fiber Distribution
- Signal Monitoring
- Power Splitting

Optical and Electrical Specifications

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION				
Operating Wavelength Range [1]	nm	WL	All	1260~1625				
Transmission Tap Ratio [1]	%	R	All	90%, 80%, 70%, 60%, 50%				
				90%	80%	70%	60%	50%
Pass Channel Insertion Loss	dB	IL_P	P1→P3	≤1.2	≤1.7	≤2.3	≤3.1	≤4.2
Reflection Channel Insertion Loss	dB	IL_R	P1→P2	≤12.7	≤8.5	≤6.6	≤5.2	≤4.2
Polarization Dependent Loss	dB	PDL	All	≤0.20				
Return Loss	dB	RL	All	≥50				
Directivity	dB	Dir	P2↔P3	≥50				
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				

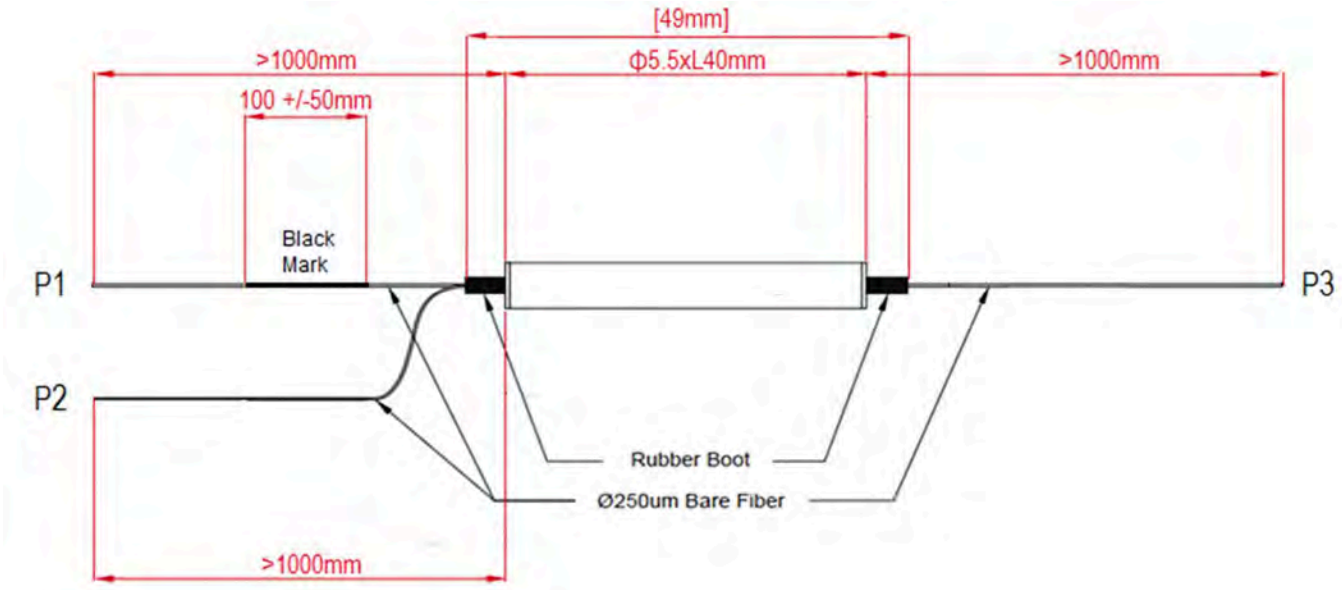
All specifications are with connectors.
1 -- Depends on the requirement. See Ordering information.

Mechanical Specifications

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION	
Fiber Type [2]	-	FT	All	ITU G657A2/B2 and G652D Compliant Fiber	
Fiber Length [3]	mm	FL	All	**No Connector**	**With Connector**
				>1000	1000 +/-100
Fiber Protection [4]	-	FP	All	Ø250um Bare Fiber	
Port Identification	-	PI	P1	Black Mark (100 +/-50mm)	
			P2	None	
			P3	None	
Package Size (Cylindrical Metal Housing)[5]	mm	PS	-	Φ5.5xL40[49]	

2/3/4/5 -- See ordering information. Connector termination is available upon request.

Package Dimensions



Note: Sample Illustration only.

Ordering Information

T C 2 3 4 5 6

2 Transmission Tap Ratio

Code	Code Description
90	TAP 90%
70	TAP 70%
50	TAP 50%
30	TAP 30%
10	TAP 10%
XX	Special or as specified by Customer

3 Operating Wavelength Range

Code	Code Description
S1	Single Window 1310 ± 40 nm
S2	Dual Window 1310 ± 40 nm
DW	Dual Window 1310 ± 40 nm , 1550 ± 40 nm
FW	Fullband 1260~1625 nm

4 Fiber Type

Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube White (with Single Mode 250um Bare)
3	900um Tight Buffer (Single Mode)
D	1.2mm Cable (Single Mode)
X	Special or as specified by Customer

5 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

6 Connector Type

Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/UPC
7	LC/APC
X	Special or as specified by customer

Notes

[1] Standard Fiber Type is ITU-T G657.A2/B2 and G652.D Compliant Single Mode Fiber.

[1] Standard Package Size is OD5.5mm x L40[49]mm for Fiber Type 1~3. For 1.2mm cable, Package Size is OD3.2mm x [2] L65[75]mm.

[3] Fiber length tolerance is +/-0.1 meter for products with connector termination.

[4] All ports are with connector of the same type.

Only applicable for products which are not covered by the Standard Specification.

EXAMPLE ORDER CODE:

Order Code: TC50FW110

Description: TAP Coupler, 50% , Full band, 250um Bare Fiber, 1 meter length, no connector on all ports.

Thin Film Filter 1x2 Tap Coupler Multimode

Description

Go!Foton's Multimode TFF Tap Coupler is a compact, Thin-Film- Filter based, and low signal loss component designed for splitting signal wavelength in 850nm wavelength range. This device is ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability. Reliability is guaranteed to fully meet Telcordia GR-1221 requirements.

Features

- ITU Recommended Wavelength Grid
- Telcordia GR-1221 Compliant
- Low Insertion Loss
- Epoxy- Free Optical Path
- Exceptionally Stable and Reliable
- RoHS Compliant (Lead Free)

Applications

- Fiber Distribution
- Signal Monitoring
- Power Splitting

Optical and Electrical Specifications

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION		
Operating Wavelength Range [1]	nm	WL	All	850		
Transmission Tap Ratio [1]	%	R	All	70%, 90%, 50%		
				70%	**90%**	**50%**
Pass Channel Insertion Loss	dB	IL_P	P1→P3	≤2.1	≤1.1	≤4.0
Reflection Channel Insertion Loss	dB	IL_R	P1→P2	≤6.2	≤12.0	≤4.0
Return Loss	dB	RL	All	≥30		
Directivity	dB	Dir	P2↔P3	≥30		
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		

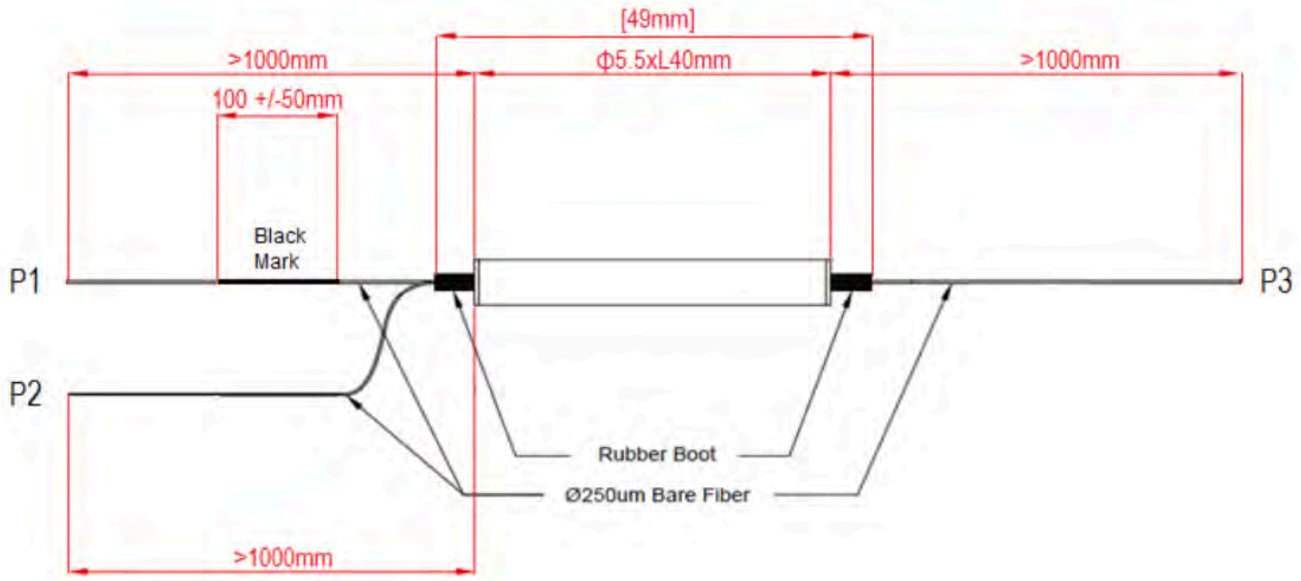
All specifications are with connectors.

Mechanical Specifications

PARAMETER	UNIT	SYMBOL	PORT	SPECIFICATION	
Fiber Type	-	FT	All	GI-50 Fiber (50/125/250)	
Fiber Length	mm	FL	All	**No Connector**	**With Connector**
				>1000	1000 +/-100
Fiber Protection	-	FP	All	Ø250um Bare Fiber	
Port Identification	-	PI	P1	Black Mark (100 +/-50mm)	
			P2	None	
			P3	None	
Package Size (Cylindrical Metal Housing)[5]	mm	PS	-	Φ5.5xL40[49]	

Connector termination is available upon request.

Package Dimensions



Note: Sample Illustration only.

Ordering Information

T C | 2 | 3 | 4 | 5 | 6

2 Transmission Tap Ratio

Code	Code Description
90	TAP 90%
70	TAP 70%
50	TAP 50%
XX	Special or as specified by Customer

3 Operating Wavelength Range

Code	Code Description
S1	Single Window 850

4 Fiber Type

Code	Code Description
1	250um Bare Fiber (Multimode)
2	900um Loose Tube White (with Multimode 250um Bare)
3	900um Tight Buffer (Multimode)
D	1.2mm Cable (Multimode)
X	Special or as specified by Customer

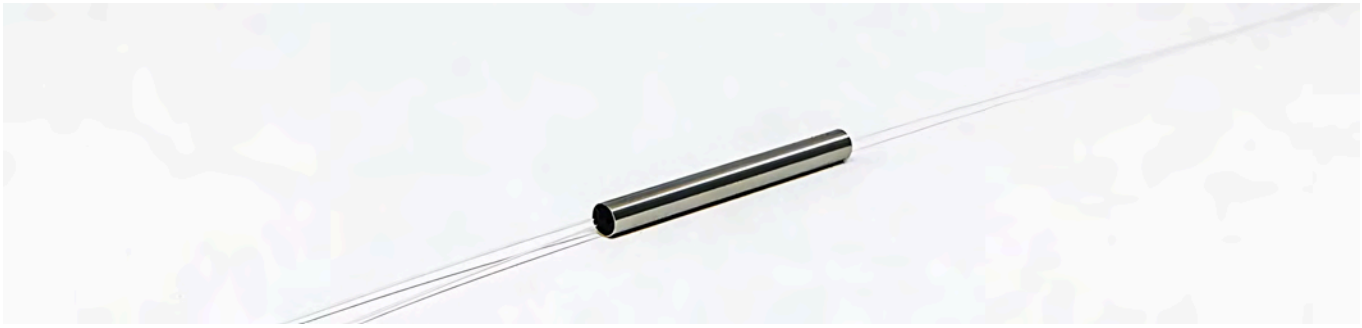
5 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

6 Connector Type

Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/UPC
7	LC/APC
X	Special or as specified by customer

Thin-Film PM Tap Couplers



Description

Go!Foton's TFF Polarization Maintaining (PM) Tap Coupler is a compact, Thin-Film- Filter based, and low signal loss component designed for splitting signal wavelength. TFF PM Couplers are manufactured using PANDA fiber which allows them to maintain a high polarization extinction ratio (PER) when light is launched along the fast axis of the fiber. This device is ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability. Reliability is guaranteed to fully meet Telcordia GR-1209 and GR-1221 requirements.

Features

- ITU Recommended Wavelength Grid
- Telcordia GR-1209 and GR-1221 Compliant
- Low Insertion Loss
- High Polarization Extinction Ratio
- Epoxy- Free Optical Path
- Exceptionally Stable and Reliable
- RoHS Compliant (Lead Free)
- Small Packaging Dimension

Applications

- Fiber Distribution
- Signal Monitoring
- Power Splitting

Optical Specifications

Parameter	Unit	Specification
Operating Wavelength range	nm	1527~1569
Directivity	dB	≥50
Transmission Tap Ratio	%	50%
Pass Channel Insertion Loss	dB	≤40
Reflection Channel Insertion Loss	dB	≤40
Wavelength Dependent Loss	dB	≤0.3
Polarization Extinction Ratio	dB	≥17
Return Loss	dB	≥50
Maximum Optical Power Handling	mW	
Operating Temperature	°C	-5~+80
Operating Humidity (No Condensation)	%RH	0~+85

Mechanical Specifications

Parameter	Unit	Port	Specification
Fiber Type	-	All	Panda PM Fiber R> 15mm;
Port Identification	-	P1	None
		P2	None
		P3	None
Package Size (Cylindrical Metal Housing)	mm	-	Φ3.0xL30

Ordering Guide

T C 2 3 4 5 6 7

2 Product Configuration

Code	Code Description
12	1x2
22	2x2

3 Transmission Tap Ratio

Code	Code Description
90	Tap 90%
80	Tap 80%
70	Tap 70%
60	Tap 60%
50	Tap 50%
33	Tap 33%
30	Tap 30%
10	Tap 10%
XX	Special or specified by customer

4 Operating Wavelength Range

Code	Code Description
S1	Single Window 1310 ± 40nm
S2	Single Window 1550 ± 40nm
DW	Dual
FW	Fullband 1260~1625nm
M1	Multimode 850nm

5 Fiber Type

Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube White (with Single Mode 250um Bare)
3	900um Tight Buffer (Single Mode)
D	1.2mm Cable (Single Mode)
M	250U OM3 GI-50 Multimode Fiber
X	Special or as specified by Customer

6 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

7 Connector Type

Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/UPC
7	LC/APC
X	Special or as specified by customer

EXAMPLE ORDER CODE:

Order Code: TC1250S2XX0

Description: TAP Coupler, 1X2, 50%, Single Window 1550nm, 250μm Bare Fiber PM PANDA, 600mm length, no connector on all ports.

Gain Flattening Filter

Description

Go!Foton's Gain Flattening Filter (GFF) is a Thin-Film Filter based and low signal loss component designed to flatten or smooth out unequal signal intensities over a specified wavelength range. GFF is characterized by low peak-to-peak error function (PPEF) which determines the maximum flatness of the transmitted signal. This device is ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability. Reliability is guaranteed to fully meet Telcordia GR-1221 requirements.

Features

- ITU Recommended Wavelength Grid
- Telcordia GR-1209 and GR-1221 Compliant
- Low Insertion Loss
- Low Peak-to-Peak Error Function
- Customized gain flattening profiles
- Epoxy- Free Optical Path
- Exceptionally Stable and Reliable
- RoHS Compliant (Lead Free)

Applications

- Fiber Optic Amplifiers (EDFA and/or Raman)

Optical Characteristics

Parameter	Unit	Port	Specification	
Operating Wavelength Range [1]	nm	WL	All	1528~1545
Minimum Insertion Loss (Peak IL) [1]	dB	IL	P1→P2	≤0.8
Peak-to-Peak Error Function	dB	PPEF	P1→P2	≤0.6
Polarization Dependent Loss	dB	WDL	All	≤0.3
Return Loss	dB	RL	All	≥50
Maximum Optical Power Handling	mW	P	All	500
Operating Temperature	˚C	T_{OP}	All	-40~+85
Operating Humidity Range	%RH	RH_{OP}	All	+5~+85

Mechanical Specifications

Parameter	Unit	Port	Specification
Fiber Type	-	All	ITU G657A2/B2 and G652D Compliant Fiber
Port Identification	-	P1 P2	Black Mark (100 ± 500mm) None
Package Size (Cylindrical Metal Housing)	mm	-	Φ5.5xL40

Ordering Guide

G F 2 3 4 5 6

2 Start Wavelength

Code	Code Description
xxx	Last 3 digits of Start Wavelength

3 End Wavelength

Code	Code Description
xxx	Last 3 digits of End Wavelength

4 Fiber Type

Code	Code Description
1	250um Bare Fiber (Single Mode)
2	900um Loose Tube White (with Single Mode 250um Bare)
3	900um Tight Buffer (Single Mode)
D	1.2mm Cable (Single Mode)
X	Special or as specified by Customer

5 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

6 Connector Type

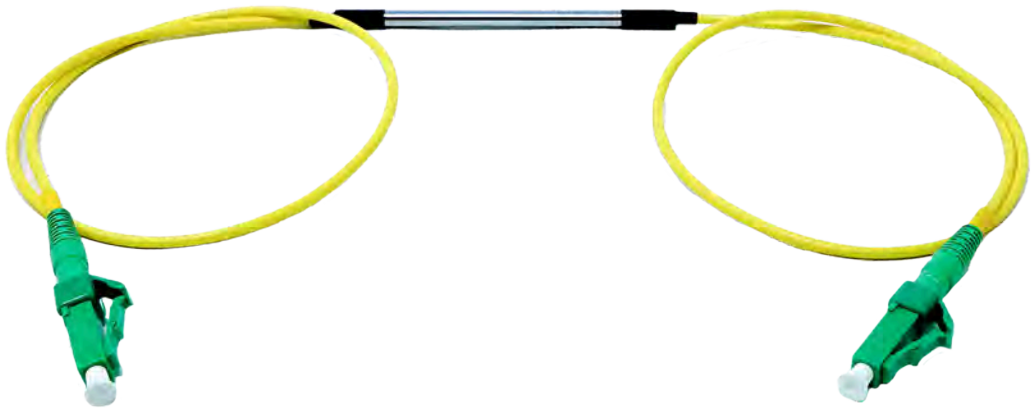
Code	Code Description
0	No Connector
1	FC/UPC
2	FC/APC
3	SC/UPC
4	SC/APC
5	LC/UPC
6	MU/UPC
7	LC/APC
X	Special or as specified by customer

EXAMPLE ORDER CODE:

Order Code: GF528545110

Description: GFF, 1528nm Start Wavelength, 1545nm End Wavelength, 250μm Bare Fiber, 1 meter length, no connector on all ports.

In-Line Optic Filter Mirror Cable Assembly (IOCA)



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.

Features

- ITU Recommended Wavelength Grid
- Telcordia GR-1209 and GR-1221 Compliant
- Low Insertion Loss
- Low Peak-to-Peak Error Function
- Customized gain flattening profiles
- Epoxy- Free Optical Path
- Exceptionally Stable and Reliable
- RoHS Compliant (Lead Free)

Applications

- Fiber Optic Amplifiers (EDFA and/or Raman)

Specifications

Parameter	Unit	Specification		
Operating Wavelength Range	nm	1260~1675		
Pass Channel Wavelength Range	nm	1260~1618		
Reflection Channel Wavelength Range	nm	1639~1675		
		Standard	Premium	
Pass Channel Insertion Loss	dB	≤1.0	≤1.0	
Reflection Channel Insertion Loss	dB	≤1.5	≤1.5	
Wavelength Dependent Loss	dB	≤0.5	≤0.5	
Pass Channel Isolation	dB	≥40 @ Λ_R	≥55 @ Λ_R	
Reflection Channel Isolation	dB	≥20 @ Λ_P	≥40 @ Λ_P	
Polarization Dependent Loss	dB	All	≤0.20	≤0.20
Maximum Optical Power Handling	mW	All	500	
Operating Temperature	˚C	All	-40~+85	
Operating Humidity Range (No Condensation)	%RH	All	+5~+85	
Storage Temperature Range	˚C	All	-40~+85	

Ordering Guide

I O C A [2] [3] [4] [5] [6]

2 Isolation Grade	
Code	Code Description
S	Standard
P	Premium

3 Connector Type (COM-P Port)	
Code	Code Description
FP	FC/PC
FA	FC/APC
SP	SC/APC
SA	SC/APC
LP	LC/PC
LA	LC/APC
MP	MU/PC
EA	E2000/APC
TP	ST/PC
TA	ST/APC
NC	No Connector
X	Special or as specified by Customer

4 Fiber Type	
Code	Code Description
1	G657.A2/B2 and G652.D
2	G652.D
3	G657.A1
4	G657.B3 and G652.D
X	Special or as specified by Customer

5 Cable Type	
Code	Code Description
A	250um Bare Fiber
B	900um Tight Buffer
C	1.2mm Cable
D	2.0mm Cable
X	Special or as specified by Customer

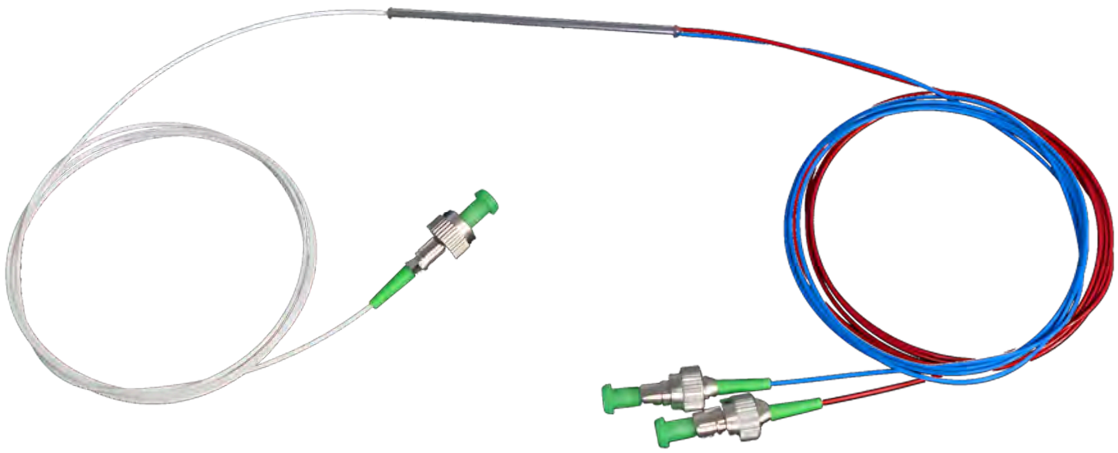
6 Fiber Length	
Code	Code Description
1	1 meter
2	2 meters
3	3 meters
X	Special or as specified by Customer

EXAMPLE ORDER CODE:

Order Code: IOCAPLPLP1D1

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

Single Window Fused Tap Coupler



Description

Go!Foton's Single Window Fused Tap Coupler can be used to split light from one fiber to two fibers or to combine light from two fibers to one and provide high performance across a broad wavelength. These devices are ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability.

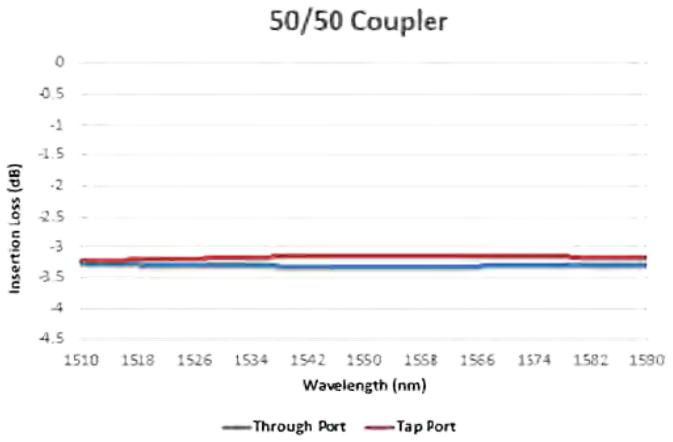
Features

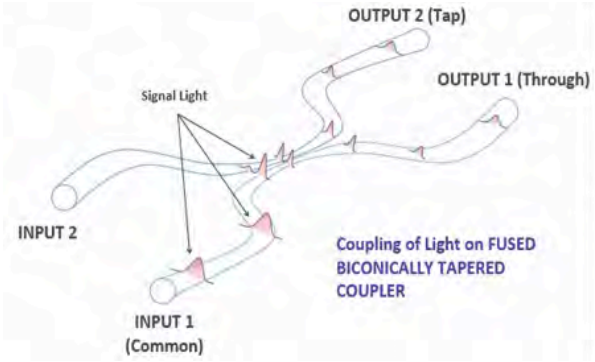
- Telcordia GR-1209 and GR-1221 Compliant
- Low Insertion Loss
- Low PD
- Low Excess Loss
- Wide Operating Temperature Range

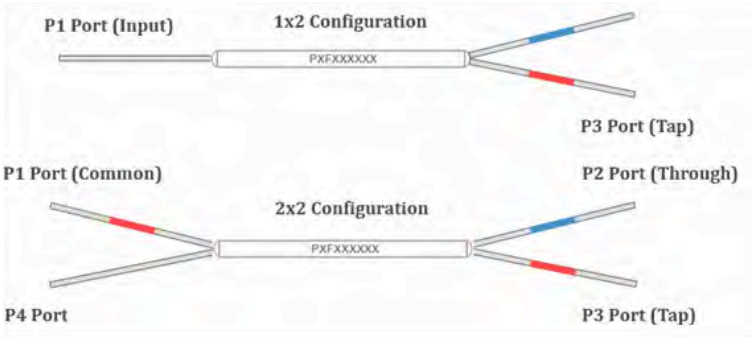
Applications

- Optical Fiber Distribution
- Signal Monitoring
- Optical Test System
- Power Splitting

Schematic and Wavelength Spectrum







Specifications

Specifications		Splitting Ratio 50/50		
Parameter		**Unit**	**Premium**	**Grade A**
Center Wavelength		nm	1310 and 1550	
Bandwidth		nm	±40	
Insertion Loss [1]	Max	dB	3.4	3.6
Uniformity [2]	Max	dB	0.6	0.8
Polarization Dependent Loss	Max	dB	0.15	0.15
Directivity	Min	dB	55	
Return Loss	Min	dB	50	
Power Handling Capacity	Max	mW	500	
Operating Temperature		°C	-40 to 85	
Storage Temperature		°C	-40 to 85	
Fiber Type			ITU-T G657.A1 Compliant Single Mode Fiber	
Package Dimension		mm	ϕ3.0x45 for 250um Bare Fiber	
			ϕ3.0x65 for 900um Loose Tube	

Notes:

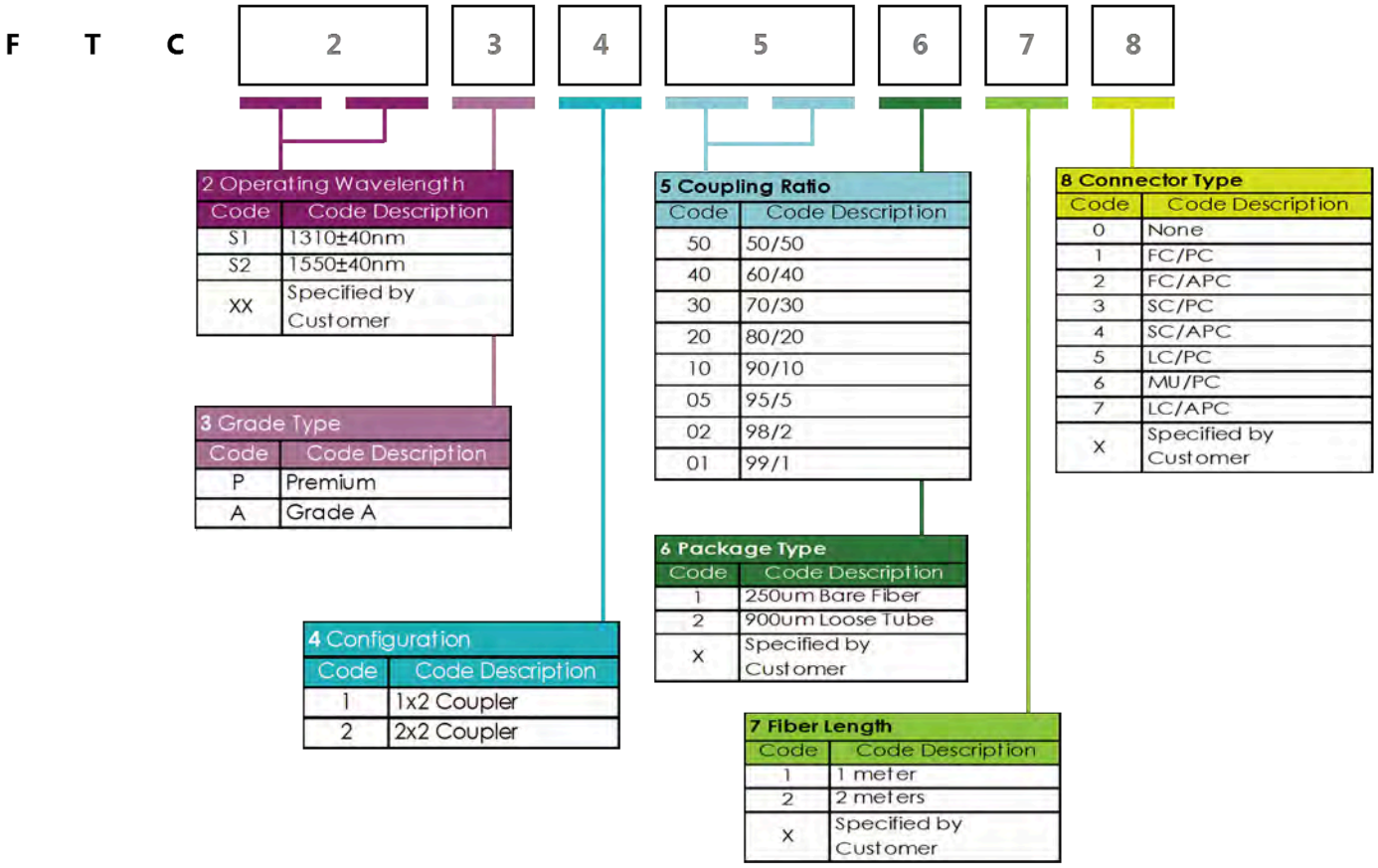
1. Values are reference without connectors.

2. Parameter used for 50/50 tap coupler only and other parameters are applicable also to different coupling ratio.

Coupling Ratio and Insertion Loss Table

Coupling Ratio	Maximum Insertion Loss (dB)			
	Premium		Grade A	
	Output Port 1	Output Port 2	Output Port 1	Output Port 2
50:50	3.4	3.4	3.6	3.6
60:40	2.5	4.4	2.8	4.6
70:30	1.8	5.6	2.0	6.0
80:20	1.2	7.4	1.3	7.7
90:10	0.6	10.8	0.7	11.2
95:5	0.4	14.0	0.5	15.4
98:2	0.2	19.0	0.3	19.5
99:1	0.2	21.5	0.3	22.0

Ordering Guide



2 Operating Wavelength	
Code	Code Description
S1	1310±40nm
S2	1550±40nm
XX	Specified by Customer

3 Grade Type	
Code	Code Description
P	Premium
A	Grade A

4 Configuration	
Code	Code Description
1	1x2 Coupler
2	2x2 Coupler

5 Coupling Ratio	
Code	Code Description
50	50/50
40	60/40
30	70/30
20	80/20
10	90/10
05	95/5
02	98/2
01	99/1

6 Package Type	
Code	Code Description
1	250um Bare Fiber
2	900um Loose Tube
X	Specified by Customer

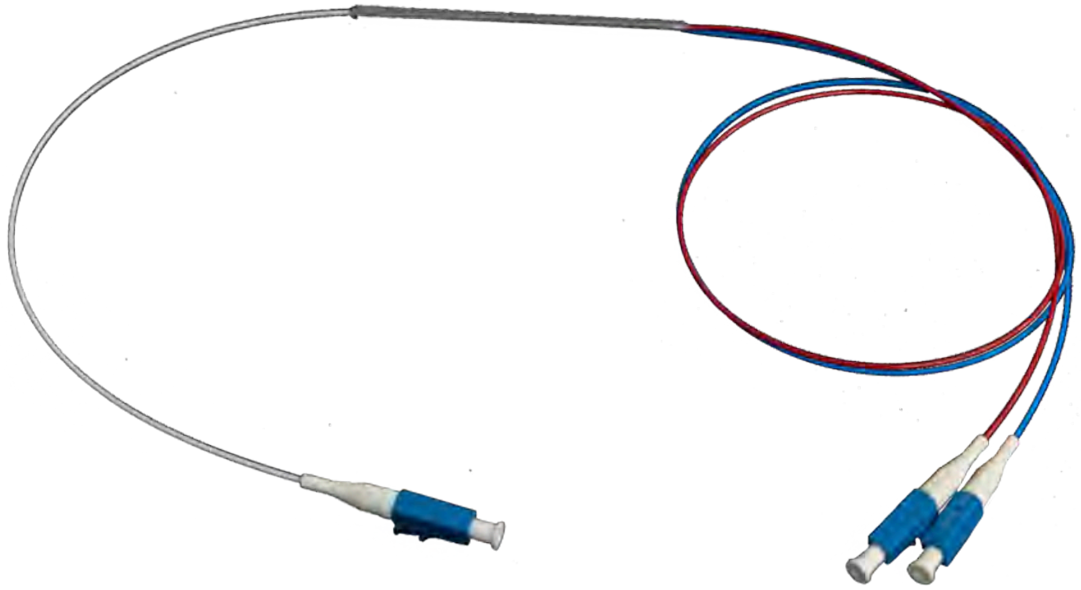
7 Fiber Length	
Code	Code Description
1	1 meter
2	2 meters
X	Specified by Customer

8 Connector Type	
Code	Code Description
0	None
1	FC/PC
2	FC/APC
3	SC/PC
4	SC/APC
5	LC/PC
6	MU/PC
7	LC/APC
X	Specified by Customer

Notes:

1. See Package Dimension in Table above specification for Package Standard
2. The mechanical fiber length tolerance is ±0.1 meters.
3. All ports are with connector of same type.
4. Only applicable for products which is not covered by standard specifications.

Dual Window Fused Tap Coupler



Description

Go!Foton's Dual Window Fused Tap Coupler can be used to split light from one fiber to two fibers or to combine light from two fibers to one and provide high performance across a broad wavelength . These devices are ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability.

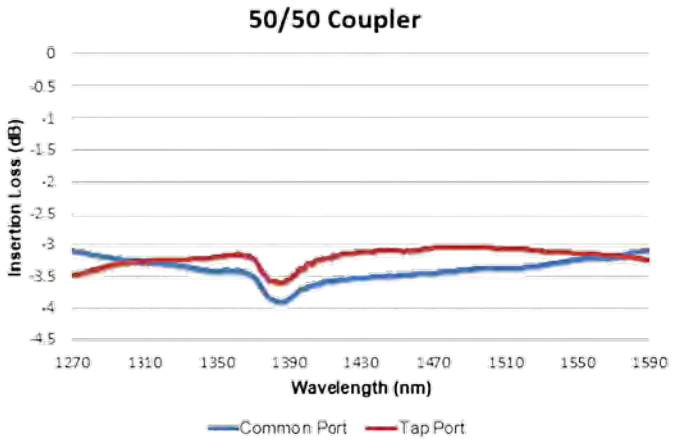
Features

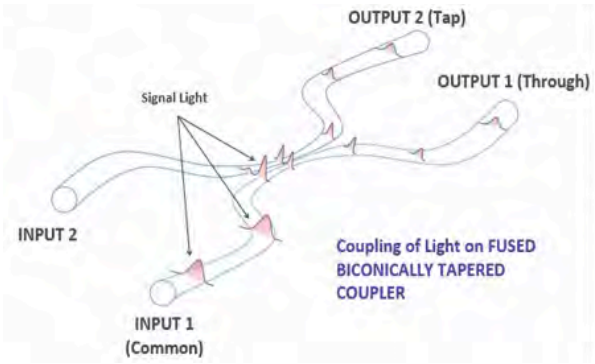
- Telcordia GR-1209 and GR-1221 Compliant
- Low Insertion Loss
- 1310nm and 1550nm operation
- Low PDL
- ±40nm Bandwidth in each window

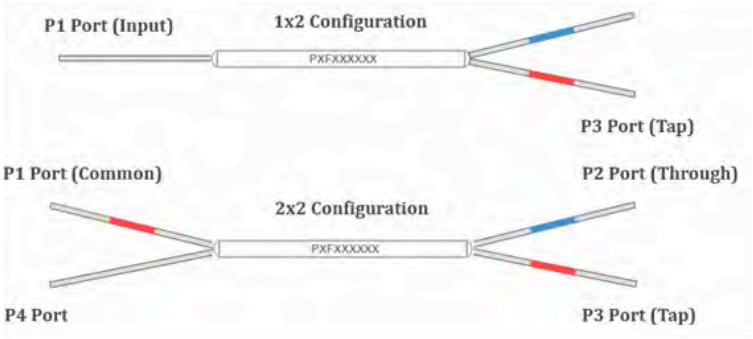
Applications

- Optical Fiber Distribution
- Signal Monitoring
- Optical Test System
- Passive Optical Network
- Power Splitting

Schematic and Wavelength Spectrum







Specifications

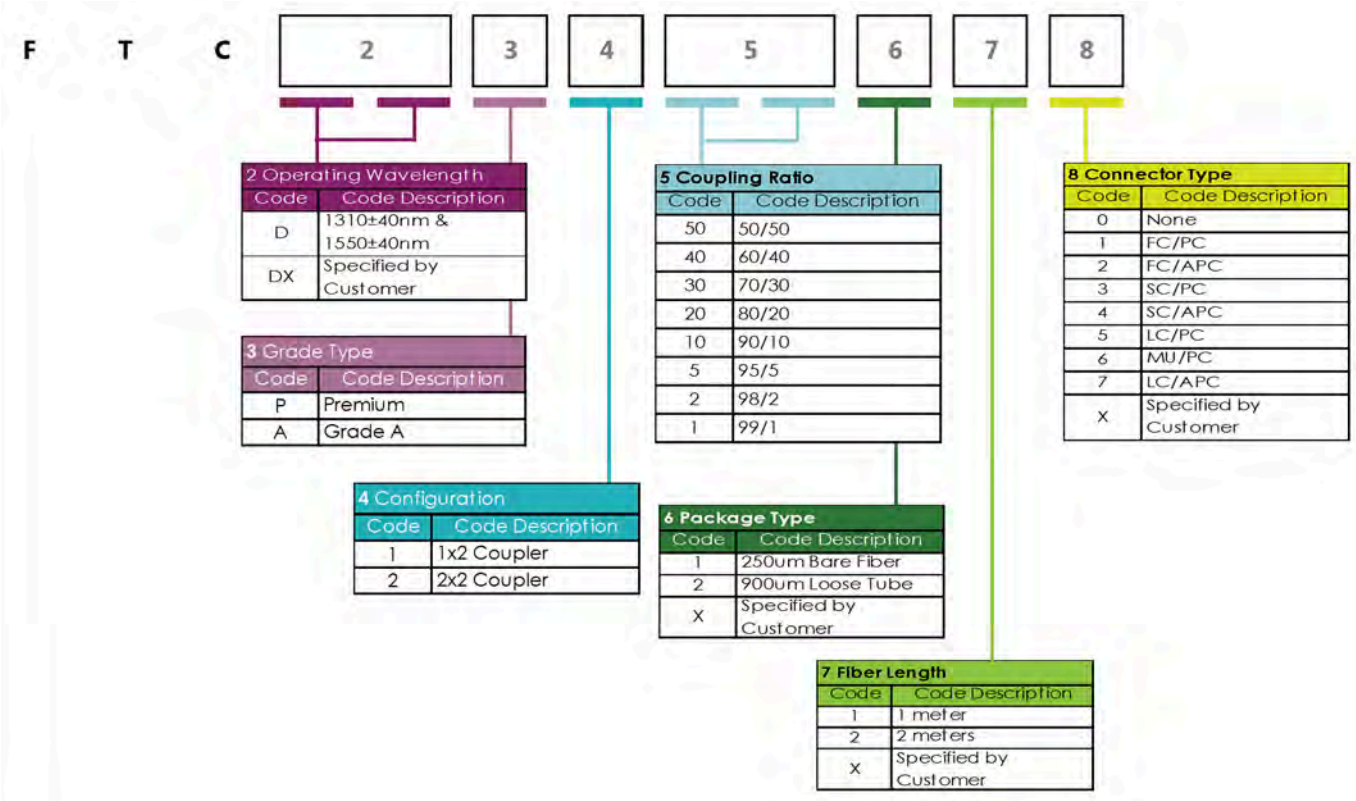
Specifications		Splitting Ratio 50/50		
Parameter		**Unit**	**Premium**	**Grade A**
Center Wavelength		nm	1310 and 1550	
Bandwidth		nm	±40	
Insertion Loss [1]	Max	dB	3.6	3.9
Uniformity [2]	Max	dB	0.8	1.0
Polarization Dependent Loss	Max	dB	0.15	0.15
Directivity	Min	dB	55	
Return Loss	Min	dB	50	
Power Handling Capacity	Max	mW	500	
Operating Temperature		°C	-40 to 85	
Storage Temperature		°C	-40 to 85	
Fiber Type			ITU-T G657.A1 Compliant Single Mode Fiber	
Package Dimension		mm	ϕ3.0x45 for 250um Bare Fiber	
			ϕ3.0x65 for 900um Loose Tube	

Notes:
1. Values are reference without connectors.
2. Parameter used for 50/50 tap coupler only and other parameters are applicable also to different coupling ratio.

Coupling Ratio and Insertion Loss Table

Coupling Ratio	Maximum Insertion Loss (dB)			
	Premium		Grade A	
	Output Port 1	Output Port 2	Output Port 1	Output Port 2
50:50	3.3	3.6	3.9	3.9
60:40	2.7	4.7	2.9	5.0
70:30	1.9	6.0	2.1	6.4
80:20	1.2	7.9	1.4	8.3
90:10	0.6	11.3	0.8	12.7
95:5	0.4	14.6	0.5	15.9
98:2	0.3	19.8	0.4	21.0
99:1	0.3	23.5	0.4	24.0

Ordering Guide



Notes:

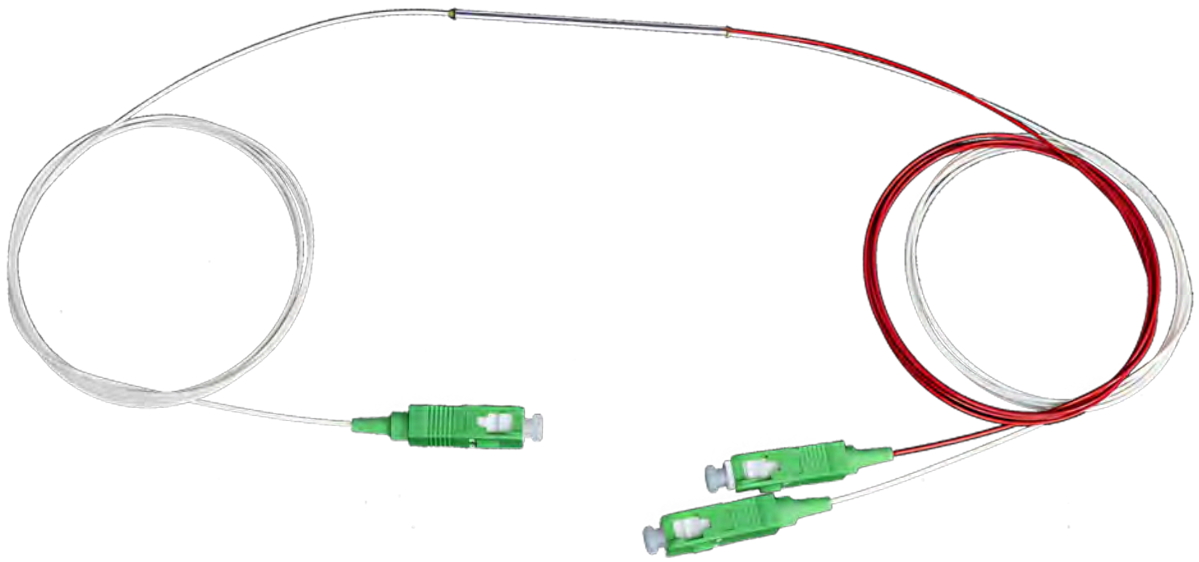
1. See Package Dimension in Table above specification for Package Standard
2. The mechanical fiber length tolerance is ±0.1 meters.
3. All ports are with connector of same type.
4. Only applicable for products which is not covered by standard specifications.

EXAMPLE ORDER CODE:

Order Code: FTCDP150115

Description: Fused Tap Coupler, Dual Window, Premium Grade, 1x2 configuration of 50/50 coupling ratio, 250um Single Mode Bare Fiber, 1 meter with LC/UPC termination

Wavelength Division Multiplexer (WDM) Fused Coupler



Description

Go!Foton's Fused WDM couplers are designed for multiplexing and demutiplexing two wavelengths. These versatile, mux and demux products are based on Go!Foton Fused Bi-conical Taper Fiber Technology. This proven technology produces highly quality 3-port devices with low PDL, low insertion loss and stable environment performance.

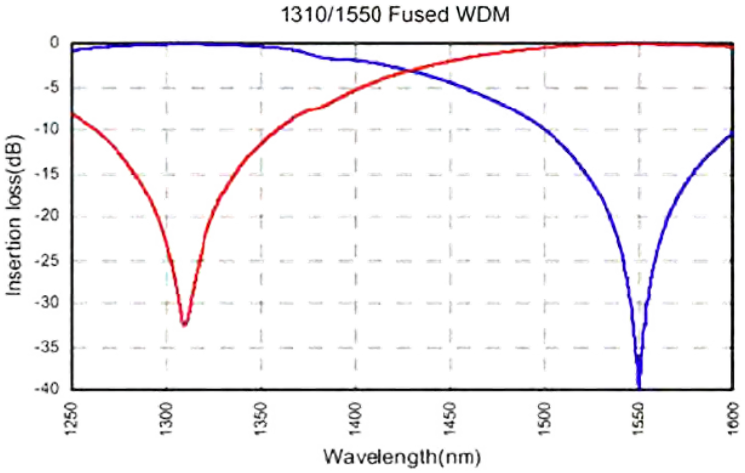
Features

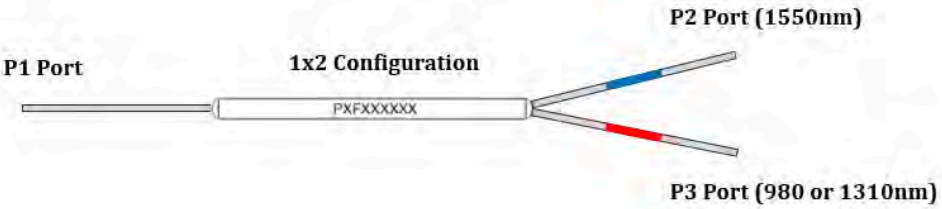
- Low Insertion Loss
- High Isolation
- High Directivity
- Low PDL
- Bi-directional
- Epoxy-Free Optical Path
- Exceptionally Stable and Reliable
- Telcordia GR-1209 and GR-1221 Compliant

Applications

- Optical Fiber Distribution
- Telecommunications
- Local Area Network
- CATV
- Metro Network
- Subscriber Loop

Schematic and Wavelength Spectrum





Specifications

Parameter		Unit	Premium	Grade A	Premium	Grade A
Center Wavelength		nm	1310/1550		980/1550	
Bandwidth		nm	±15		980±10/1550±15	
Insertion Loss [1]	Max	dB	0.3	0.4	0.2	0.3
Isolation	Min	dB	17	16	16	15
Polarization Dependent Loss	Max	dB	0.1	0.15	0.2	0.25
Temperature Dependent Loss	Max	dB	0.15	0.2	0.2	0.25
Directivity	Min	dB	55		55	
Return Loss	Min	dB	50		50	
Power Handling Capacity	Max	mW	500		500	
Storage Temperature		°C	-40 to 85		-40 to 85	
Fiber Type		-	ITU-T G.657A1 Compliant Single Mode Fiber		OFS BF05635 Fiber	
Package Dimension		mm	ϕ3.0x54 for 250um Bare Fiber ϕ3.0x65 for 900um Loose Tube			

Ordering Guide

F W C | 2 | 3 | 4 | 5 | 6 | 7

2 Operating Wavelength

Code	Code Description
1	1310nm/1550nm
2	980nm/1550nm
X	Specified by Customer

3 Grade Type

Code	Code Description
P	Premium
A	Grade A

4 Configuration

Code	Code Description
1	1x2 Coupler
2	2x2 Coupler

5 Package Type

Code	Code Description
1	250um Bare Fiber
2	900um Loose Tube
X	Specified by Customer

6 Fiber Length

Code	Code Description
1	1 meter
2	2 meters
X	Specified by Customer

7 Connector Type

Code	Code Description
0	None
1	FC/PC
2	FC/APC
3	SC/PC
4	SC/APC
5	LC/PC
6	MU/PC
7	LC/APC
X	Specified by Customer

Notes:

1. See Package Dimension in Table above specification for Package Standard
2. The mechanical fiber length tolerance is ±0.1 meters.
3. All ports are with connector of same type.
4. Only applicable for products which is not covered by standard specifications.

EXAMPLE ORDER CODE:

Order Code: FWC1P222

Description: Fused WDM Coupler, 1310/1550nm, Premium Grade, 1x2 configuration with 900um Loose Tube, 2 meters with FC/APC all ports

GO!FOTON, WITHIN REACH.

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Windmolen 22, 7609 NN,
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Certifications and Compliance

DQS Certified for ISO 9001 and TL 9000

ISO 14001:2015 CERTIFCATION

ISO 45001: 2018 CERTIFCATION

TIA-BPC MEMBER

FOC ITL AND SUPPLIER LAB CERTIFICATION

ROHS COMPLIANT

REACH COMPLIANT

GR-1221-CORE:	Generic Reliability Assurance Requirements for Passive Optical Components
GR-1209-CORE:	Generic Requirements for Passive Optical Components
GR-468-CORE:	Generic Reliability Assurance Requirements for Optoelectronic Devices Used in Telecommunications Equipment
GR-326-CORE:	Generic Requirements for Single-Mode Optical Connectors and Jumper Assemblies
GR-1435-CORE:	Generic Requirements for Multi-Fiber Optical Connectors
GR-2866-CORE:	Generic Requirements for Optical Fiber Fan-outs
GR-409-CORE:	Generic Requirements for Indoor Fiber Optic Cable
GR-63-CORE:	Network Equipment Building Systems (NEBS) Requirements: Physical Protection
GR-449-CORE:	Generic Requirements and Design Consideration for Fiber Distribution Frames
GR-910-CORE:	Generic Requirements for Fiber Optic Attenuator
GR-3120-CORE:	Generic Requirements for Hardened Fiber Optic Connectors (HFOCs) and Hardened Fiber Optic Adapters (HFOAs)
GR-3152-CORE:	Generic Requirements for Hardened Multi-Fiber Optical Connectors (HMFOCs)
GR-771-CORE:	Generic Requirements for Fiber Optic Splice Closures
GR-3125-CORE:	Generic Requirements for Fiber Distribution Hubs
GR-1081-CORE:	Generic Requirements for Field Mountable Optical Fiber Connectors
GR-209-CORE:	Generic Requirements for Product Change Notices

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