

FT-Tap™ Hardened Connectors

Overview

Fibertronics Inc.'s FT-Tap™ is a hardened fiber optic connector engineered for reliable performance in FTTx and outdoor network deployments. Designed for drop cable connectivity in exposed environments, it provides a sealed, field-ready interface that protects the optical connection from moisture, dust, UV exposure, and temperature extremes.

The FT-Tap™ supports single-mode fiber applications and is built for integration with hardened terminal systems commonly used in last-mile distribution networks. Its ruggedized housing and precision alignment components ensure consistent optical performance while maintaining a secure mechanical connection in aerial, pedestal, and below-grade installations.

Available in SC simplex, LC duplex, and MPO configurations, the FT-Tap™ connectors are offered as cable plugs and inline receptacles to support a range of deployment architectures.

Features

- Hardened Design
- Toolless Connection
- UV Resistant Housing
- Factory-Terminated and Tested

Applications

- Fiber to the Home (FTTH)
- Fiber to the Antenna (FTTA)
- Outdoor Distribution Networks
- Temporary/Mobile Deployments

Technical Specifications

Connector Types	SC Simplex, LC Duplex, or MPO
IP Rating	IP68
Temperature Rating	-40 °C to 70 °C
RoHS Compliant	Yes



SC Type



LC Type



MPO Type



FT-Tap Receptable



FT-Tap Plug



FT-Tap Inline Receptable

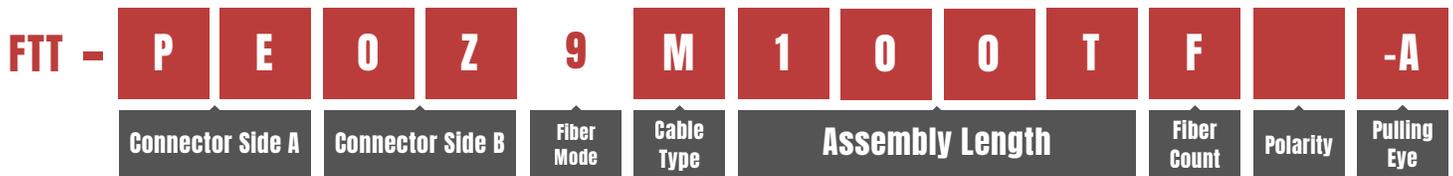
FT-Tap™ Hardened Connector Solutions - Patch Cable

Part Numbers Guide: Non-MPO Assemblies

Use this Part Number Guide for FT-Tap™ assemblies that don't include MPO/MPO.

Example Below: FTT-PE0ZM9100TF-A

8-Fiber FT-Tap™ Plug SC/APC to Pigtail Flat Drop Dielectric 1000FT with Pulling Eye on Side A



Connector Side A	Connector Side B	Cable Type	Fiber Count	Polarity
Shell	Shell	K: Round Dielectric	A: 1 Fiber	S: Straight ³
P: Plug	P: Plug	L: Round Toneable	B: 2 Fibers	X: Crossover ³
R: Receptacle	R: Receptacle	M: Flat Drop Dielectric	G: 4 Fibers	
Connector	O: None ¹	N: Flat Drop Toneable	E: 6 Fibers	Pulling Eyes
E: SC/APC Simplex	Connector		F: 8 Fibers	Blank: None
D: SC/UPC Simplex	E: SC/APC Simplex	Assembly Length	C: 12 Fibers	-A: Side A Only
L: LC/APC Duplex	D: SC/UPC Simplex	###M: Meters	H: 16 Fibers	-P: Side A and B
K: LC/UPC Duplex	L: LC/APC Duplex	###F: Feet	D: 24 Fibers†	-B: Side B Only
	K: LC/UPC Duplex	###T: 10x Feet ²	J: 48 Fibers* †	
	Z: None		K: 72 Fibers* †	
			M: 96 Fibers* †	
			L: 144 Fibers* †	
			X: Customer Request	

Important Notes:

- ¹ For "Connector Side B", selecting **O: None** for the shell and any Connector other than **Z: None** will result in a 0.5-meter 2mm furcation tubing breakout on Side B.
- ² When selecting a fiber length greater than or equal to 1,000 feet, use T instead of F.
 - For example, **250F** = 250 feet and **250T** = 2,500 feet.
- ³ "Polarity" designation applies only to cables utilizing LC Duplex connectors and should be omitted for all other configurations.
- The **9** for "Fiber Mode" represents single-mode OS2 fiber.

*Extra Lead Time May Apply
 † Not Available for all cable types

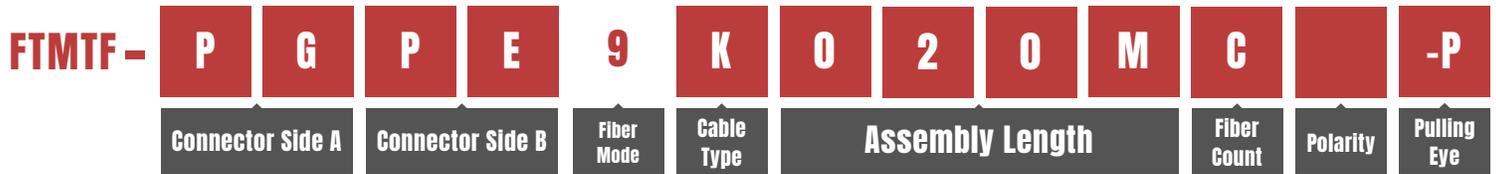
FT-Tap™ Hardened Connectors Solutions

Part Numbers Guide: MPO Fanout Assemblies

Use this Part Number Guide for FT-Tap™ assemblies that are MPO to fanout.

Example Below: FTMTF-PGPE9K020MC-P

12-Fiber FT-Tap™ Plug 12-Fiber MPO/APC Standard Male to FT-Tap™ Plug SC/APC Fanout Round Dielectric 20 Meters with Pulling Eyes



Connector Side A		Connector Side B		Cable Type	Fiber Count	Polarity	
Shell		Shell		K: Round Dielectric	A: 1 Fiber	S: Straight ³	
P: Plug		P: Plug		L: Round Toneable	B: 2 Fibers	X: Crossover ³	
R: Receptacle		R: Receptacle		M: Flat Drop Dielectric	G: 4 Fibers	Pulling Eyes	
Connector		Connector		N: Flat Drop Toneable	E: 6 Fibers		Blank: None
A: 8F MPO/APC Standard (male)	1: 24F MPO/APC Elite (male)	O: None ¹	E: SC/APC Simplex	Assembly Length	F: 8 Fibers	-A: Side A Only	
B: 8F MPO/APC Standard (female)	2: 24F MPO/APC Elite (female)	D: SC/UPC Simplex	L: LC/APC Duplex		###M: Meters	H: 16 Fibers	-P: Side A and B
5: 8F MPO/APC Elite (male)	M: 24F MPO/APC Standard (male)	K: LC/UPC Duplex	L: LC/APC Duplex		###F: Feet	D: 24 Fibers†	-B: Side B Only
6: 8F MPO/APC Elite (female)	N: 24F MPO/APC Standard (female)	Z: None	K: LC/UPC Duplex	###T: 10x Feet ²	J: 48 Fibers* †		
C: 8F MPO/UPC Standard (male)	3: 24F MPO/UPC Elite (male)				K: 72 Fibers* †		
D: 8F MPO/UPC Standard (female)	4: 24F MPO/UPC Elite (female)				M: 96 Fibers* †		
7: 8F MPO/UPC Elite (male)	O: 24F MPO/UPC Standard (male)				L: 144 Fibers* †		
8: 8F MPO/UPC Elite (female)	P: 24F MPO/UPC Standard (female)				X: Customer Request		
E: 12F MPO/APC Elite (male)	U: 48F MPO/APC Elite (male)						
F: 12F MPO/APC Elite (female)	V: 48F MPO/APC Elite (female)						
G: 12F MPO/APC Standard (male)	Q: 48F MPO/APC Standard (male)						
H: 12F MPO/APC Standard (female)	R: 48F MPO/APC Standard (female)						
I: 12F MPO/UPC Elite (male)	W: 48F MPO/UPC Elite (male)						
J: 12F MPO/UPC Elite (female)	X: 48F MPO/UPC Elite (female)						
K: 12F MPO/UPC Standard (male)	S: 48F MPO/UPC Standard (male)						
L: 12F MPO/UPC Standard (female)	T: 48F MPO/UPC Standard (female)						
Z: Pigtail							

Important Notes:

- ¹ For “Connector Side B”, selecting **O: None** for the shell and any Connector other than **Z: None** will result in a 0.5-meter 2mm furcation tubing breakout on Side B.
- ² When selecting a fiber length greater than or equal to 1,000 feet, use T instead of F.
 - For example, **250F** = 250 feet and **250T** = 2,500 feet.
- ³ “Polarity” designation applies only to cables utilizing LC Duplex connectors and should be omitted for all other configurations.
- The **9** for “Fiber Mode” represents single-mode OS2 fiber.

*Extra Lead Time May Apply
 † Not Available for all cable types

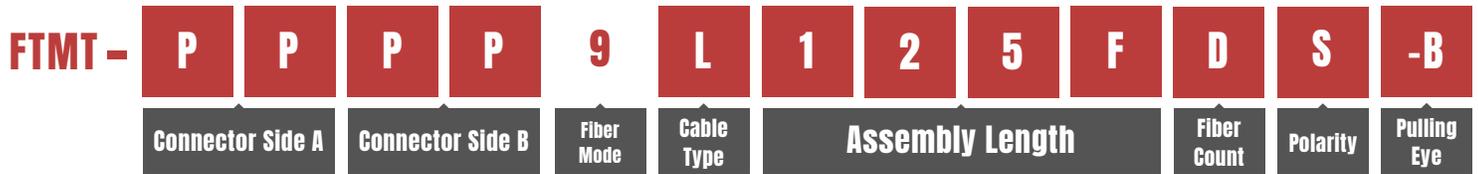
FT-Tap™ Hardened Connectors Solutions

Part Numbers Guide: MPO-to-MPO Assemblies

Use this Part Number Guide for FT-Tap™ assemblies that are MPO to MPO.

Example Below: FTMTF-PGPE9K020MC-P

24-Fiber FT-Tap™ Plug 24-Fiber MPO/UPC Standard Female to FT-Tap™ Plug 24-Fiber MPO/UPC Standard Female Round Toneable
 125 Feet Straight Polarity with Pulling Eye on Side B



Connector Side A and Connector Side B		Cable Type	Fiber Count	Polarity
Shell		K: Round Dielectric	A: 1 Fiber	S: Straight
P: Plug		L: Round Toneable	B: 2 Fibers	X: Crossover
R: Receptacle		M: Flat Drop Dielectric	G: 4 Fibers	3: Pairwise Flip
O: None ¹ (Side B Only)		N: Flat Drop Toneable	E: 6 Fibers	G: 24F Row Flip
Connector		Assembly Length	F: 8 Fibers	Pulling Eyes
A: 8F MPO/APC Standard (male)	1: 24F MPO/APC Elite (male)	###M: Meters	C: 12 Fibers	Blank: None
B: 8F MPO/APC Standard (female)	2: 24F MPO/APC Elite (female)	###F: Feet	H: 16 Fibers	-A: Side A Only
5: 8F MPO/APC Elite (male)	M: 24F MPO/APC Standard (male)	###T: 10x Feet ²	D: 24 Fibers†	-P: Side A and B
6: 8F MPO/APC Elite (female)	N: 24F MPO/APC Standard (female)		J: 48 Fibers* †	-B: Side B Only
C: 8F MPO/UPC Standard (male)	3: 24F MPO/UPC Elite (male)		K: 72 Fibers* †	
D: 8F MPO/UPC Standard (female)	4: 24F MPO/UPC Elite (female)		M: 96 Fibers* †	
7: 8F MPO/UPC Elite (male)	O: 24F MPO/UPC Standard (male)		L: 144 Fibers* †	
8: 8F MPO/UPC Elite (female)	P: 24F MPO/UPC Standard (female)		X: Customer Request	
E: 12F MPO/APC Elite (male)	U: 48F MPO/APC Elite (male)			
F: 12F MPO/APC Elite (female)	V: 48F MPO/APC Elite (female)			
G: 12F MPO/APC Standard (male)	Q: 48F MPO/APC Standard (male)			
H: 12F MPO/APC Standard (female)	R: 48F MPO/APC Standard (female)			
I: 12F MPO/UPC Elite (male)	W: 48F MPO/UPC Elite (male)			
J: 12F MPO/UPC Elite (female)	X: 48F MPO/UPC Elite (female)			
K: 12F MPO/UPC Standard (male)	S: 48F MPO/UPC Standard (male)			
L: 12F MPO/UPC Standard (female)	T: 48F MPO/UPC Standard (female)			
Z: Pigtail ¹ (Side B Only)				

Important Notes:

- ¹ Selecting **O: None** for the shell and any Connector other than **Z: None** will result in a 0.5-meter 2mm furcation tubing breakout on Side B.
- ² When selecting a fiber length greater than or equal to 1,000 feet, use T instead of F.
 - For example, **250F** = 250 feet and **250T** = 2,500 feet.
- The **9** for "Fiber Mode" represents single-mode OS2 fiber.

*Extra Lead Time May Apply
 † Not Available for all cable types