



PRECONNECTORIZED SOLUTIONS

Delivered through Open Access Fibre Networks



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GLOBAL TELECOM
SUPPLIES INC.

The next generation of high speed internet




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Optical Distribution Networks Solution Overview






① Traditional Multi-fiber Optical Distribution Network Solution




12/24FO
140kg/km

75 mins x 5 workers
150 m OSP 1 Group

375mins / Worker

Time: 10mins	25mins	10mins	20mins	10mins
Move the heavy drum	Install cable	Cut the cable	Install Fig.8 cable	Install cable clamp
				





② 1FO MaxTip System Solution



1FO
3.15kg/pcs
(150m)

60 mins x 3 workers
150 m OSP 1 Group

180 mins / Worker

Time: 10mins	30mins	10mins	10mins
Side A: Install cable clamp and Fixed cable	Install OTPM606 FAT	Side B: Install cable clamp and Fixed cable	Fiber Cable Loopback
			

Advantages of MaxTip System Solution

- 52 % efficiency of saving time and labor cost only need 1 FO solution

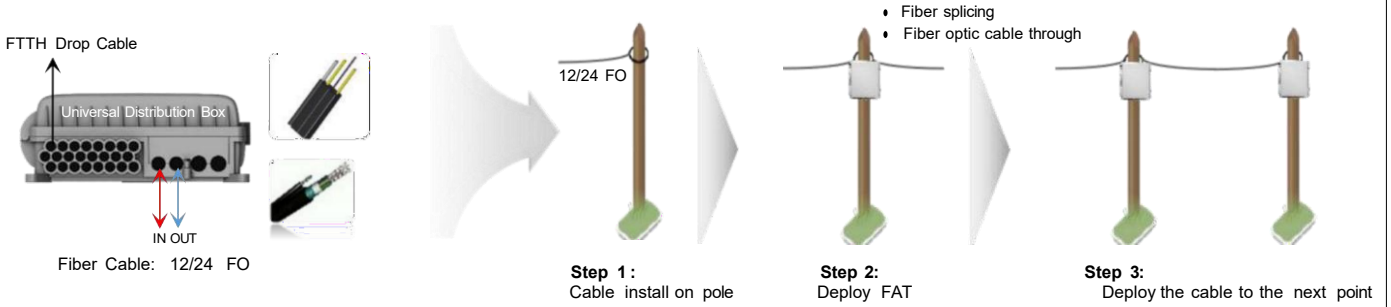
The required products below for MaxTip System Solution



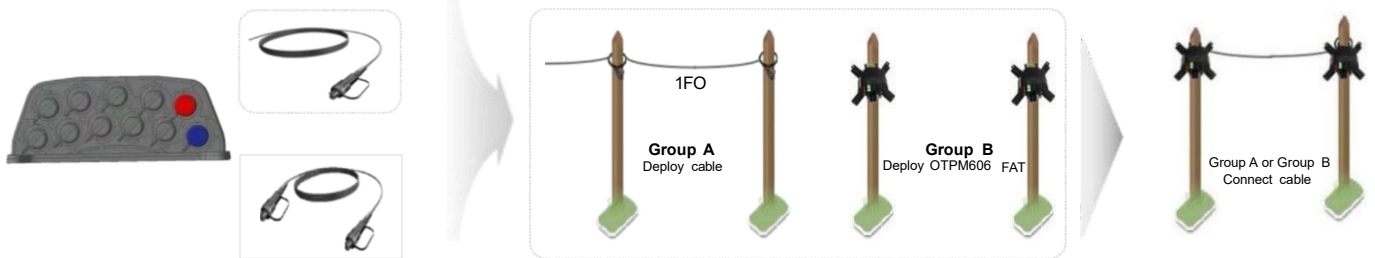
Optical Distribution Networks Solution Overview

Simultaneous implementation of cabling and FAT installation reduces TTM by 30%

Traditional Optical Cable Construction - The progress of cabling and FAT installation may interfere with each other

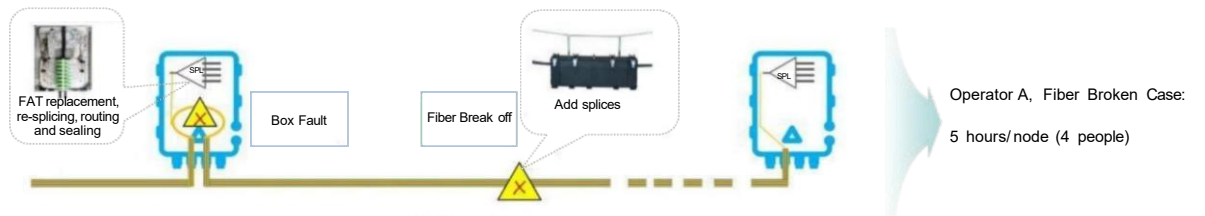


1 FO MaxTip System Solution - Routing and FAT do not affect each other, saving 30% of TTM

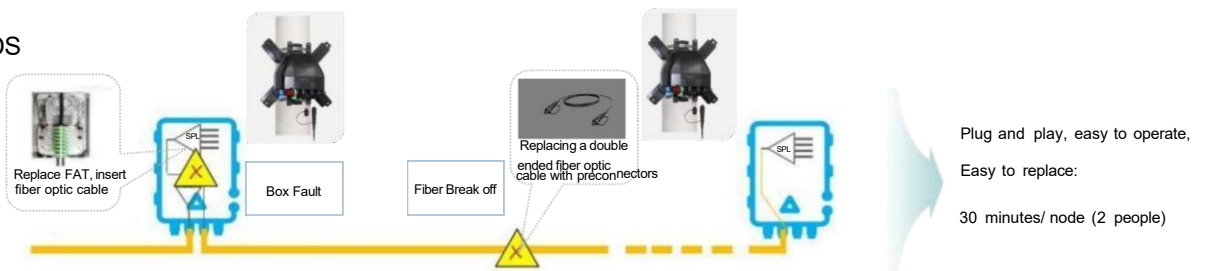


Up to 90% increase in network recovery efficiency - Case of Fiber break off to failed connection

Traditional



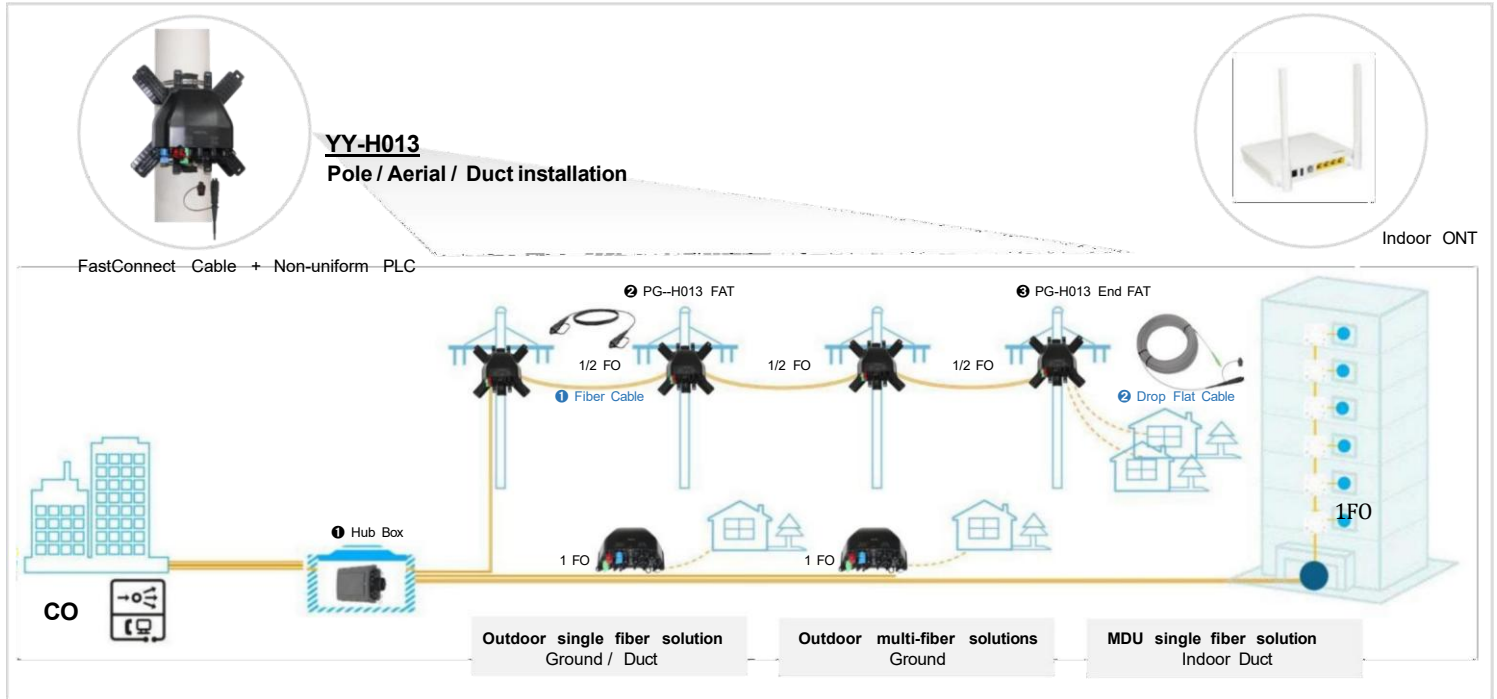
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Remarks: Simplified maintenance with replacement, rapid network recovery.

Optical Distribution Networks Solution Overview

MaxTip end-to-end plug-and-play, panoramic non-uniform distribution solution brings fast FTTH deployment



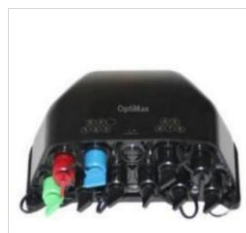
The required products below for MaxTip System Solution



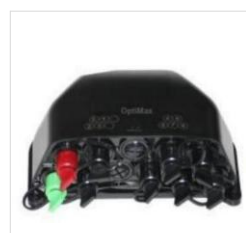
Hub Box



FastConnect Cable



PG-H013 1:9 FAT



PG-H013 1:8 End FAT



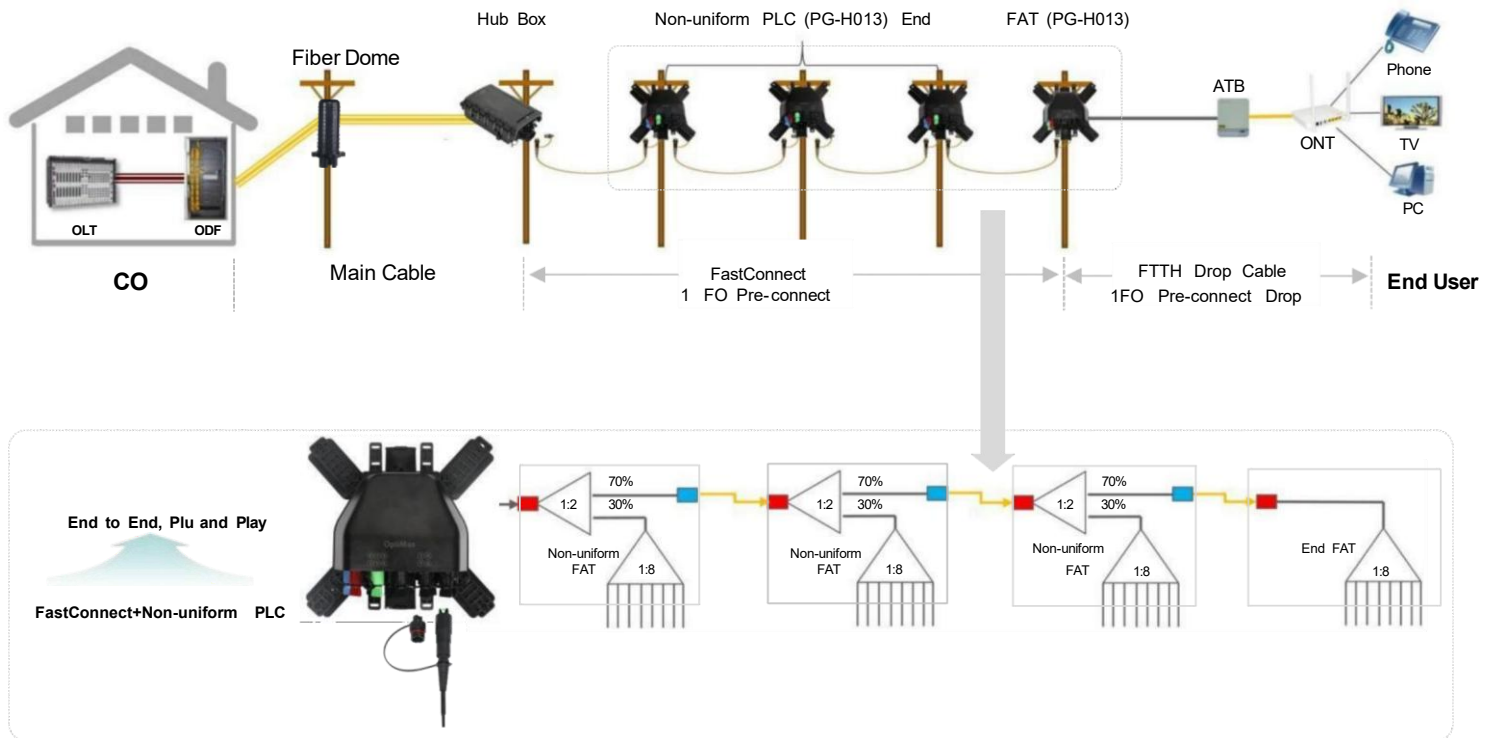
FTTH Drop Cable

Advantages of MaxTip System Solution

- End-to-end flexible installation
- Simple fiber optic cabling
- Rapid deployment
- High reliability

Optical Distribution Networks Solution Overview

Principle and advantages of non-uniform distribution MaxTip solution



Advantages of MaxTip System Solution

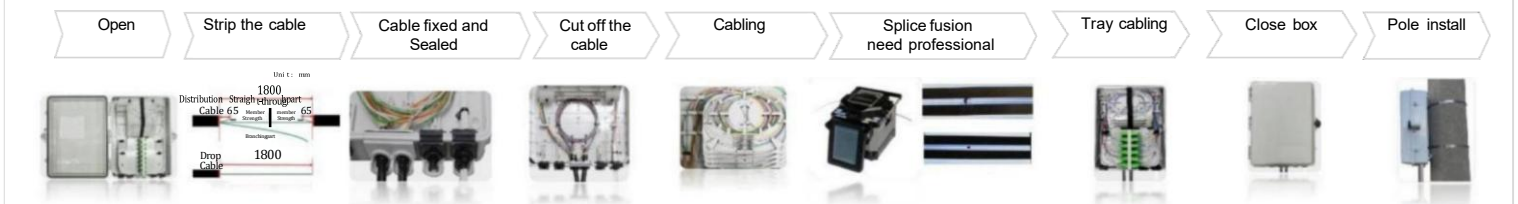
- Single core distribution cable, end-to-end plug and play
- End-to-end fast connections guarantee high quality
- Parallel cabling and FAT installation increase TTM by 30%
- Simple replacement and 90% lower maintenance costs

Optical Distribution Networks Solution Overview

Full quick-connect design ensures efficient FAT installation

Traditional Optical Distribution Network

The installation is complicated (main steps), and the implementation quality is difficult to guarantee.



- Requested professional and technical person, 20 more steps for installation

- 1 FAT installation spend 90 mins by 2 man job

FAT MaxTip System Solution

The quick connection FAT internal optical splitter and its installation are all completed by the manufacturer to ensure the quality.



- Simplified installation, plug and play

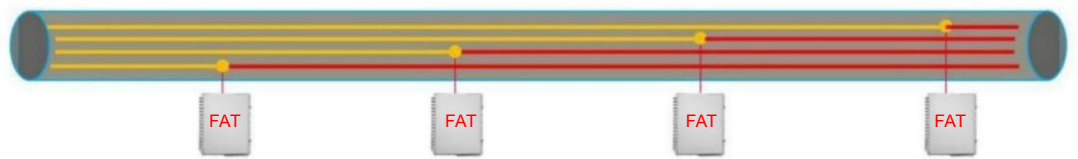
- 1 FAT installation spend 15 mins by 2 man job

Optical Distribution Networks Solution Overview

FAT cascading in FastConnect fiber optic cable, plug and play

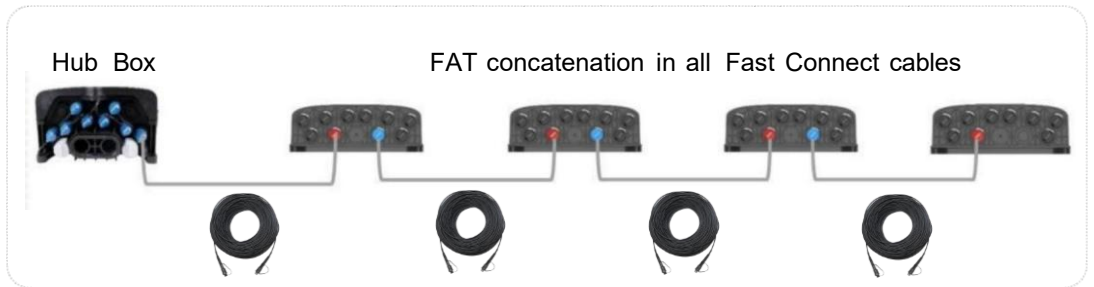
Traditional Optical Cable Construction

- Requires fiber removal from cable for all FAT splices



solution

- Plug and play, no need to splice and reopen FAT



Easy to install, easy to operate, 60% lower labor cost

Traditional



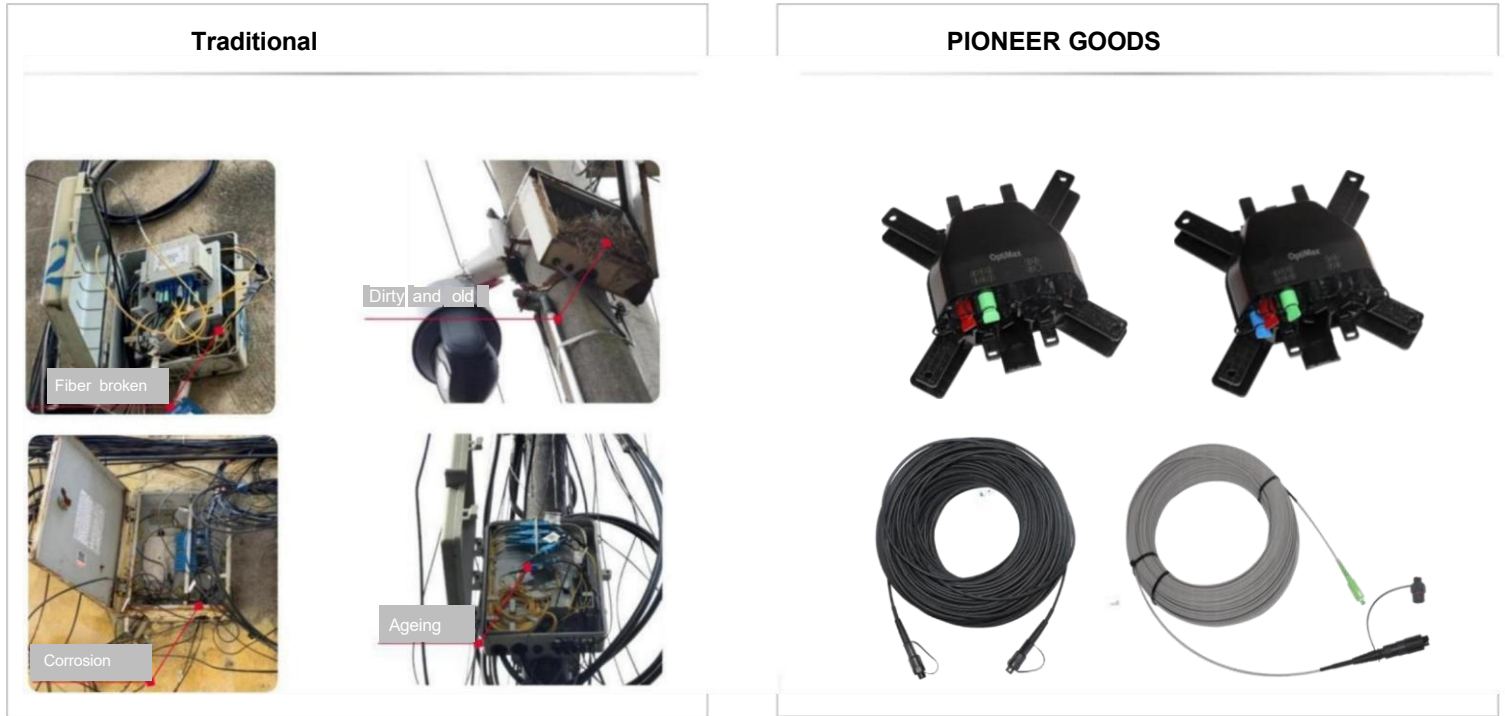
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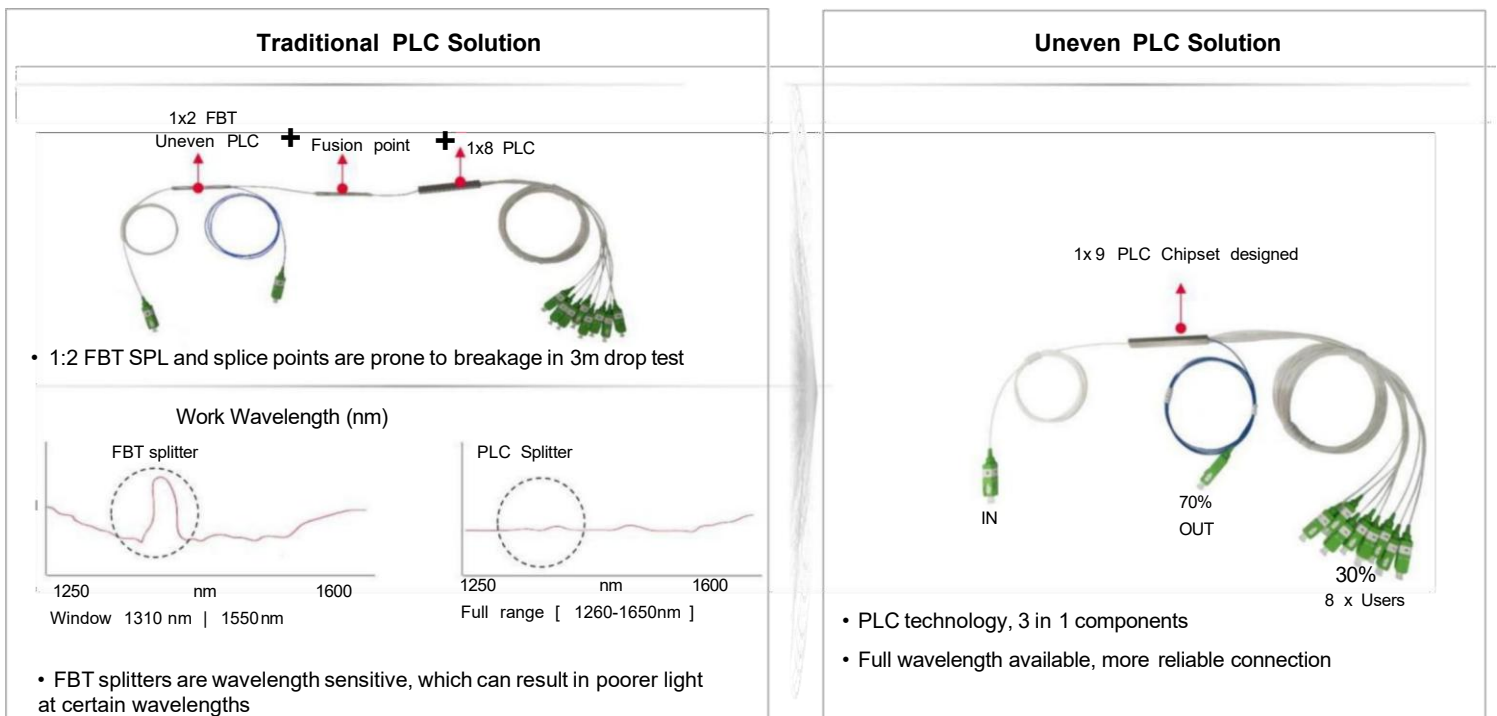


Optical Distribution Networks Solution Overview

Hermetically sealed design eliminates the need to re-open the box to reduce the risk of Damage



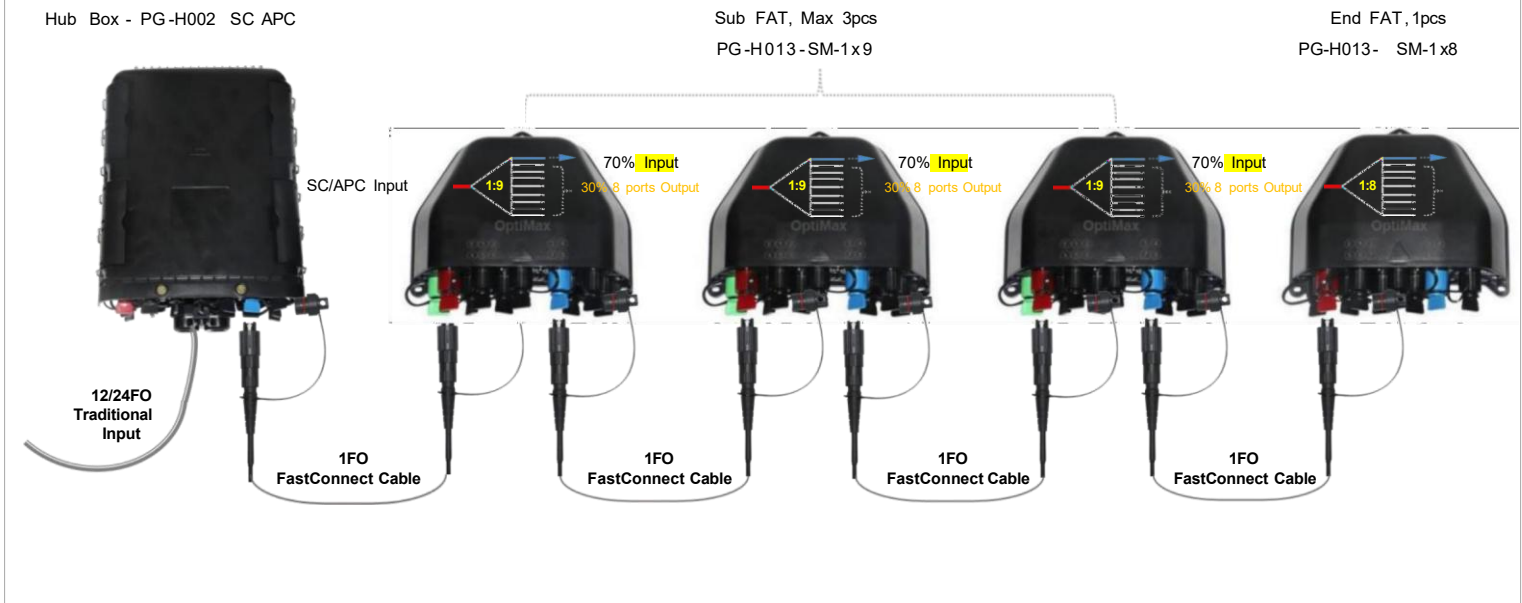
Simplified components, innovative PLC uneven splitter provides more reliable connections



1FO MaxTip System Solution - Waterproof Fast Connect

Typical uneven solution for medium density area coverage – 8 ports/FAT

- Only 1 fiber solution, each uneven chain consists of 3 SUB FAT and 1 END FAT, which supports 32 subscribers



Key Characteristic

PG-H002

FASTCONNECT SC/APC Harden Adapter

Breakout Cable Plug

Input Cable Plug

Specification: 309 x 288 x 238 mm

Capacity: 16 x SC/APC Harden Output, 1 Cable input port and 2 Breakout Cable port

IP Level: IP68

Support: 1 pcs 1:16 PLC splitter or 16 pcs SC/APC Pigtails

8pcs SC/APC harden adapter with FastConnect cable

PG-H013

Harden Output for next box

Harden Input

Specification: 198 x 160 x 70 mm

Capacity: 1 input, 8 output and 1 port for connect next box

IP Level: IP68

Support: 1 pcs 1:9 splitter 30/70

8pcs SC/APC harden adapter with FastConnect cable

PG-H013

Harden Input

Specification: 198 x 160 x 70 mm

Capacity: 1 input, 8 output

IP Level: IP68

Support: 1 pcs 1:8 splitter 50/50




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MaxTip System

Products









MaxTip System Products




	MaxTip System		
	OptiTap/FastConnect/Slim	OptiTap/FastConnect/Slim	OptiTap/FastConnect/Slim
Fiber Terminated Access Boxes			
Part No.	PG-H002	PG-H008	PG-H013
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	10	18	10
Installation Options	Strand Mounting, Aerial Mounting, Pole Mounting, Wall Mounting		
Cable Type	Round and Flat Drop Cable		
Connector Type	OptiTap / FastConnect / Slim		
Accommodate Splitters	1 x 8, 1 x 9, 1 x 17		
Color	Black and White		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	OptiTap / Slim / FastConnect		
Compatible for	Corning / Furukawa		
Waterproof	IP65	IP65	IP68
<i>Note: Please contact us for more details on specification</i>			




	Outdoor Harden Optical Adapter			
	OptiTap	Slim	FastConnect	Fiber Home
Products				
Part No.	PG-OTPM28	PG-OTPM09	PG-OTPM9012	PG-OTPM9070
<i>Note: Please contact us for more details on specification</i>				

MaxTip System Products




MaxTip System Universal Hardened FastConnect SC Precon Single Connector			
Picture			
Part No.	PG-HW82		
Configuration	1FO	1FO	1FO
Application	5.0 mm Round Cable	3.0 mm Round Cable	2.0 x 5.0 mm Drop Cable
Connect Adapter	OTPM9 0 12 FastConnect Reinforced		
<i>Note: Please contact us for more details on specification</i>			




MaxTip System Hardened FastConnect SC Precon Single Connector			
Picture			
Part No.	PG-T820		
Configuration	1FO	1FO	1FO
Application	5.0 mm Round Cable	3.0 mm Round Cable	2.0 x 5.0 mm Drop Cable
Connect Adapter	OTPM9 0 12 FastConnect Reinforced		
<i>Note: Please contact us for more details on specification</i>			




MaxTip System Universal Hardened OptiTap SC Precon Single Connector			
Picture			
Part No.	PG-T28		
Configuration	1FO	1FO	1FO
Application	5.0 mm Round Cable	3.0 mm Round Cable	2.0 x 5.0 mm Drop Cable
Connect Adapter	OTPM28 OptiTap Reinforced		
<i>Note: Please contact us for more details on specification</i>			

MaxTip System Hardened OptiTap SC Precon Single Connector			
Picture			
Part No.	PG-T280		
Configuration	1FO	1FO	1FO
Application	5.0 mm Round Cable	3.0 mm Round Cable	2.0 x 5.0 mm Drop Cable
Connect Adapter	OTPM28 OptiTap Reinforced		
<i>Note: Please contact us for more details on specification</i>			

MaxTip System Products

MaxTip System Hardened Precon Slim Connector			
Picture			
Part No.	PG-T820		
Configuration	1FO	1FO	1FO
Application	5.0 mm Round Cable	3.0 mm Round Cable	2.0 x 5.0 mm Drop Cable
Connect Adapter	OTPM09 Slim Reinforced		
<i>Note: Please contact us for more details on specification</i>			

MaxTip System Hardened SC Precon FiberHome Connector			
Picture			
Part No.	PG-T820		
Configuration	1FO	1FO	1FO
Application	5.0 mm Round Cable	3.0 mm Round Cable	2.0 x 5.0 mm Drop Cable
Connect Adapter	OTPM9070 Fiber home Reinforced		
<i>Note: Please contact us for more details on specification</i>			

MaxTip System Special SC Hardened Connector			
Picture			
Part No.	PG-OTPM652	PG-T08	PG-OTPM09
Configuration	1FO	1FO	1FO
Description	2 in 1 Factory Assembly Connector	3 in 1 Factory Assembly Connector	3 in 1 Field Assembly Connector
Application	5.0/3.0mm, 2.0 x 5.0 mm Drop Cable	5.0/3.0mm, 2.0 x 5.0mm Drop Cable	5.0/3.0mm, 2.0 x 5.0 mm Drop Cable
Connect Adapter	OptiTap and FastConnect	OptiTap, Slim and FastConnect	OptiTap, Slim and FastConnect
<i>Note: Please contact us for more details on specification</i>			

MaxTip System Products

	MaxTip System	
	OptiTap/FastConnect / Slim	
Fiber Terminated Access Boxes		
Part No.	PG-H014	PG-H008
Application	FTTH, FTTA, Trunk, Cable Connecting	
Capacity Ports	8	16
Installation Options	Strand Mounting, Aerial Mounting, Pole Mounting, Wall Mounting	
Cable Type	Round and Flat Drop Cable	
Connector Type	OptiTap / FastConnect / Slim	
Accommodate Splitters	1 x 8, 1 x 9, 1 x 17	
Color	White	
Size (mm)	319.3*200*97.5	319.3*214* 133
Harden Adapter Type	OptiTap / Slim / FastConnect	
Compatible for	Corning / Furukawa	
Waterproof	IP65	IP65
<i>Note: Please contact us for more details on specification</i>		

Completely Solutions of Harden Connector and Adapter



Successful Projects

Fiber Cable Keep the World Closing



Successful Project

EL Salvador builds 150,000 ports with MaxTip System solution

■ EL Salvador, Honduras, Guatemala Goals:

- Be the potential marketing in South America for FTTx deployment.
- FTTx cost < \$350/household.
- Over 200 thousand home users per year.

Policies and Regulations: Open Access

The 1FO MaxTip System Solution

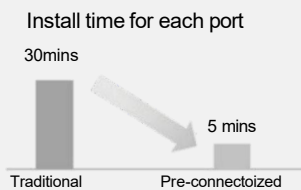
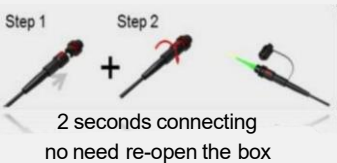


■ MaxTip System Solution:

- Ariel, Pole and Wall Mounted FAT
- Pre-connected drop cables, plug and play



■ Advantages:



HC TCO
17% reduction

Time
Saving 83%

4+ years
Keeping developing

500,000 ports
Capacit y/year

780,000+
Pre-connected ports



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The 1FO MaxTip System Solution



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