



FTTX Pre-connectorized Solutions Professionals

Carrier Networks Selection Solution



www.neatel.com



NEATEL has many products for FTTx Solution

Pre-connectorized Solution Speed up your fiber network

- Lower cost
- Save time and labor
- Future-ready

NEATEL is the manufacturer on precise mold evolution and fiber cable assembly of today's fiber optic connectivity products - make things easy and professional

When we set out to design our new NEATEL fiber-to-the-X (FTTX) ecosystem, we listened well to our customers. You informed us that solutions must deliver the agility to evolve quickly while providing the flexibility to work seamlessly with any field application. We also learned you need solutions that deliver reliability today - and decades from now - so that you can realize your goals and keep pace with the rapidly changing network environment.



75% fewer components than existing products

DELIVERY

50X the number of configurations available today

The NEATEL Technology hardened terminals advantage

Configurable ■ Scalable ■ Simple			
Widest variety of technologies available from a single platform <ul style="list-style-type: none">• Single- and multi-fiber, splitters, optical tap, fiber indexing, and on-demand hybrid configurations.	Application flexibility for new builds and upgrades <ul style="list-style-type: none">• Extended choice of cable types and sizes; stubless configurations.• Minimized footprint for optimal port count and terminal size.• Black and gray colors for ease of concealment.	Ready for the field workforce of the future <ul style="list-style-type: none">• Unique network identification with manufactured design.• Uniform installation practices and documentation speeds cross-training.	Agile Chinese supply chain backed by common platform design and processes <ul style="list-style-type: none">• 100% manufacturing Advantage.• Fast delivery support.



CONTENTS

Pre-connectorized Solution.....	P5
Standardized Deployment Solution.....	P6
Pre-connectorized Solution Diagram.....	P7
Optical Distribution Networks Solution Overview.....	P8-9
FastNet System.....	P10
Products Overview.....	P16-23
Field Assembly Connectors.....	P24
Fiber Cable Products.....	P25-26
Other Fiber Passive Optical Components.....	P27-34

Are you NEATEL connect today?

Each fiber-to-the-home (FTTH) deployment presents unique challenges – and we can help. With over 10 years' experience passing more than thousands homes, we've set the standard for innovative, field-proven FTTH solutions.

Our portfolio of products and engineering support is designed to address your specific challenges from speed of deployment, labor and cost considerations, performance requirements, future readiness, and more.

To get started, use this quick selection guide to help determine the right architecture, deployment method, and products you need to do the job right the first time.

Smart Innovation network to the brilliant Future



Pre-connectorized Solution

Overview of NEATEL Technology Smart Pre-connectorized Solution for FTTX Project

FTTH has been recognized by the majority of fixed network operators worldwide as a strategic approach for the deployment of broadband access. Every year tens of millions of fibre access ports are deployed. The most popular technology for FTTH is Passive Optical Network (PON) which is based on a point-to-multi-point Optical Distribution Network (ODN). As the infrastructure of FTTH, ODN consumes the biggest part of investments from operators in constructing its FTTH network; it also takes long time for the construction and significant OPEX costs for operation and maintainance. Hence, a solution to build and operate an ODN quickly and efficiently with low cost is very important for every FTTH operator.

NEATEL Technology as a fiber optic technology in global FTTH deployments and innovation, whichever deployment scenario you choose from the following table, we have a solution that will deliver value that's right for you. As the infrastructure of FTTH, NEATEL's FastNet System solution consumes the biggest part of investments from operators in constructing its FTTH network; it also takes long time for the construction and significant OPEX costs for operation and maintainance. Hence, a solution to build and operate an products of FastNet quickly and efficiently with low cost is very important for every FTTH operator. A typical ODN contains fibres, cross-connecting and splitting devices such as Optical Distribution Frame (ODF), Fibre Distribution Terminal (FDT), Splitting and Splicing Closure (SSC) and Fibre Access Terminal (FAT).

In simple words, a pre-connectorized based ODN solution is very efficient for ODN construction. Based on the ODN network planning, designing and coverage range, pre-connection can be applied into drop section pre-connection, distribution section pre-connection, and all ODN sections pre-connection. In all these options, the key is to have pre-connectorized passive elements and transfer the manual fibre splicing work onsite to the factory for batch processing and higher reliability.





Standardized Deployment Solution

The NEATEL Technology hardened terminals advantage

NEATEL technology hardened terminals are engineered from the get-go as a new FTTX system architecture that spans the outside plant fiber network. We service a complete FTTX ecosystem for all your network applications. Configurable, scalable, simple. Sounds like a tall order. That's where **NEATEL**'s new hardened terminals come in. The modular design and innovative technology of our new terminals will help our provider partners keep pace with a rapidly changing network environment.

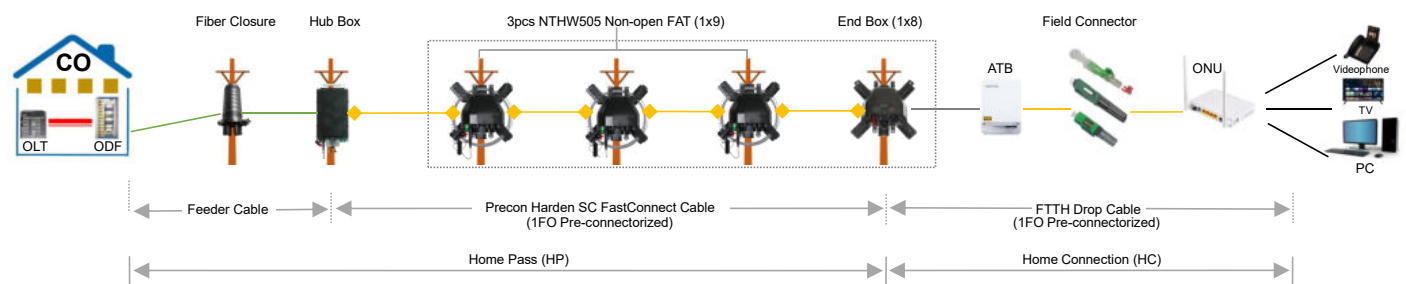


- One platform. Any deployment. Choose your connectivity and cable option !
- Ready for the field workforce of the future !
- The ultimate flexibility for plug-and-play FTTH solutions !

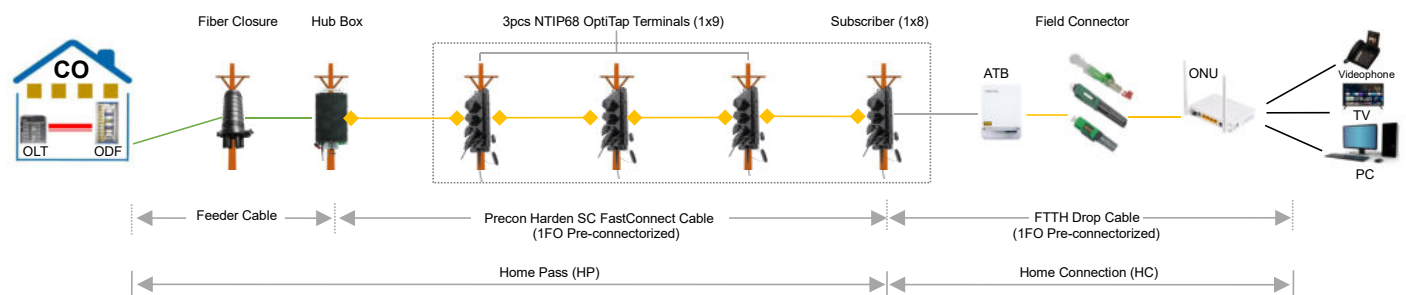


Pre-connectorized Solution Diagram

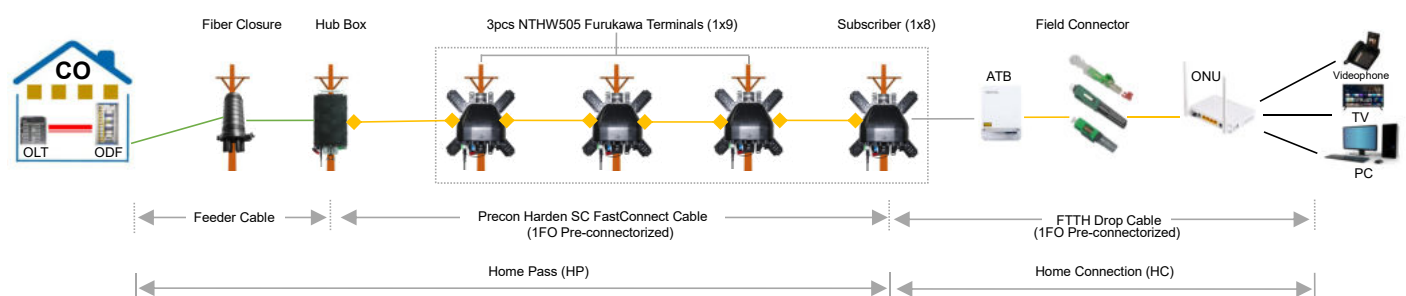
■ Illustrated Pre-connectorized compatible for HUAWEI FastConnect Solution



■ Illustrated Pre-connectorized compatible for CORNING OptiTap Solution



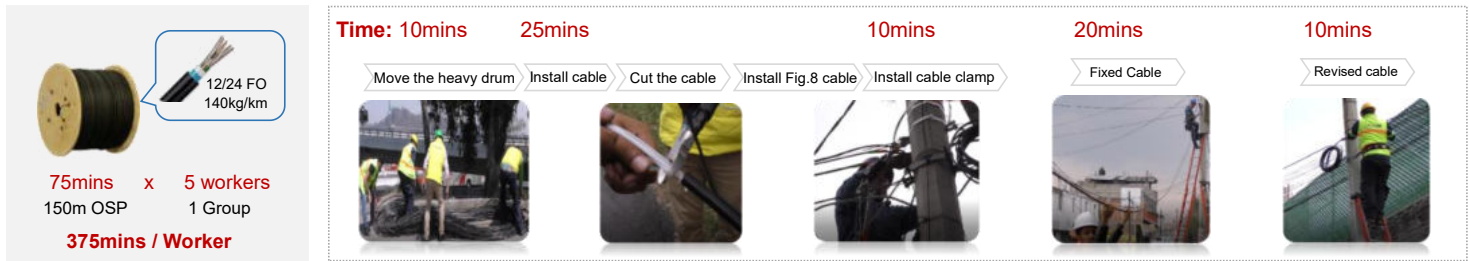
■ Illustrated Pre-connectorized compatible for FURUKAWA Slim Solution



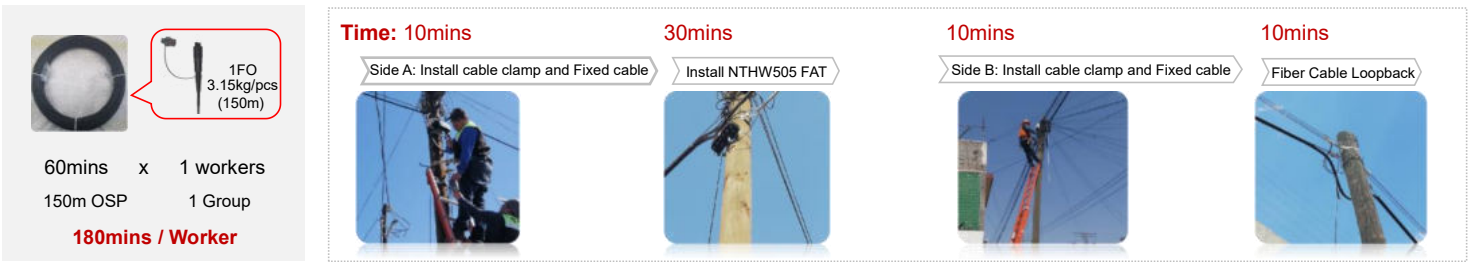
Optical Distribution

Networks Solution Overview

■ Traditional Multi-fiber Optical Distribution Network Solution



■ NEATEL 1FO FastNet System Solution



■ Advantages of NEATEL FastNet System Solution

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

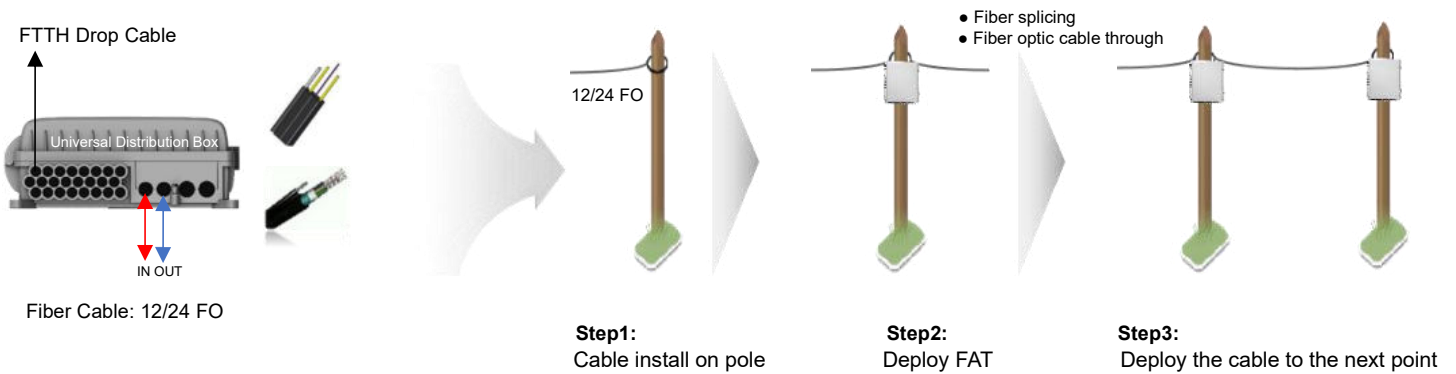
■ The required products below for NEATEL FastNet System Solution



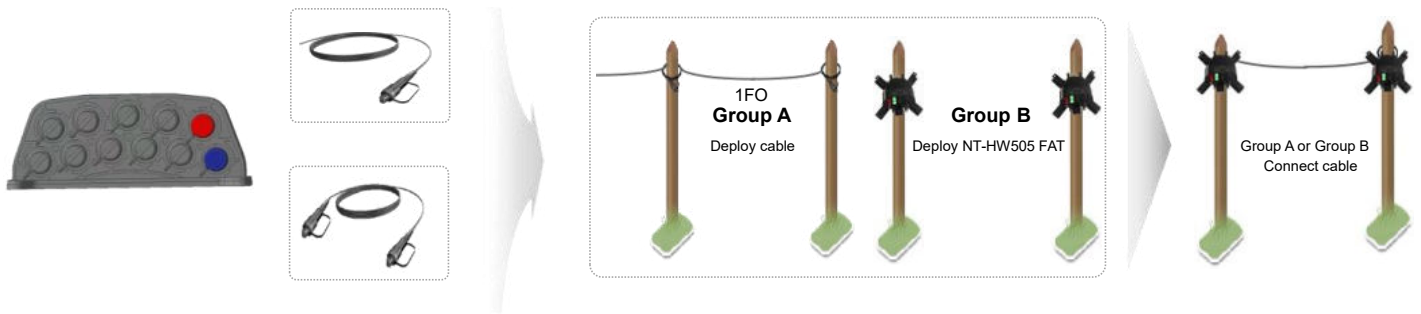
Optical Distribution Networks Solution Overview

- 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

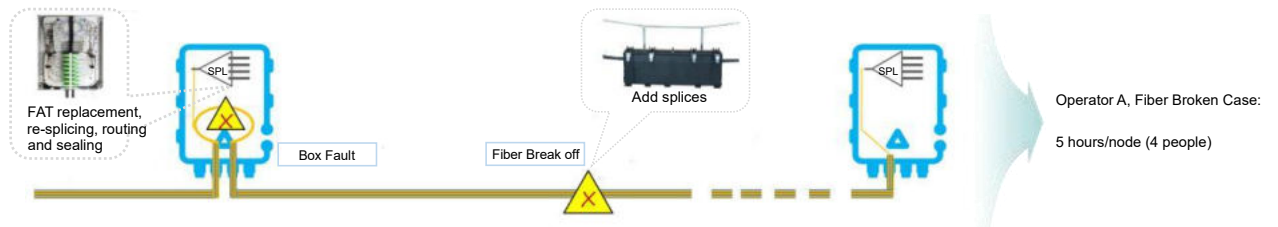


NEATEL 1FO FastNet System Solution - Routing and FAT do not affect each other, saving 30% of TTM

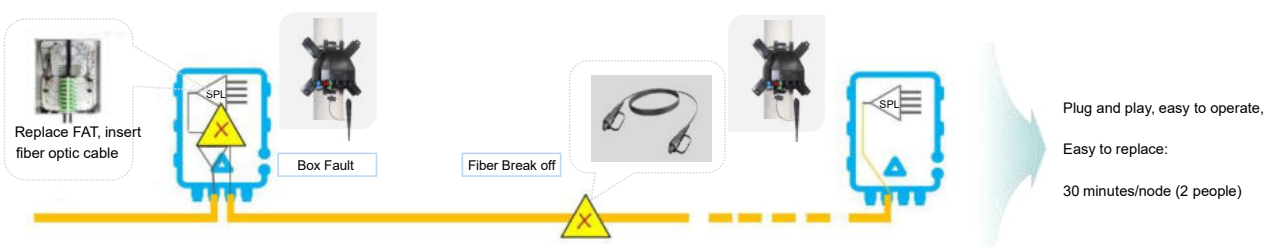


Up to 90% increase in network recovery efficiency - Case of Fiber break off to failed connection


Traditional



NEATEL



Remarks: Simplified maintenance with replacement, rapid network recovery.



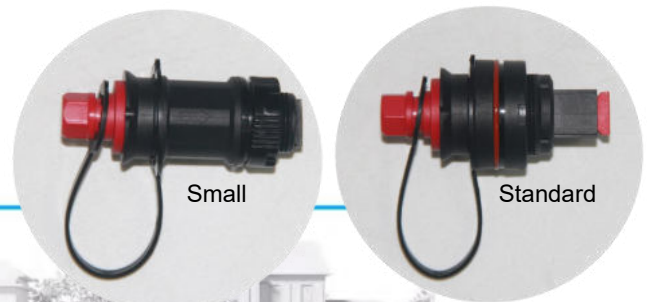
NEATEL

FastNet System

A complete NEATEL FTTX solutions
explore for all your network applications

A complete NEATEL FTTX FastNet for all your network applications

Configurable, scalable, simple. Sounds like a tall order. That's where NEATEL's new FastNet hardened terminals come in. The modular design and innovative technology of our new terminals will help our provider partners keep pace with a rapidly changing network environment. Each terminal in these applications is from NEATEL FastNet Series. They're designed to adapt to your application—sharing connection capabilities, a unique product information system, a mounting platform, and customer configurability. While FastNet hardened terminals are helping build your network, they're building your long-term profitability, because one terminal works for all your applications in all your deployments.



FastNet Single-fiber Terminals

- Ideal for single-family unit communities
- Up to 4 ports
- Point-to-point (P2P) or splitter configurations



FastNet Multi-fiber Terminals

- Ideal for multi-fiber applications
- Up to 6 ports
- 2 to 6 fibers per port



FastNet Optical Tap Terminals

- Ideal for multi-fiber applications
- Up to 8 ports
- 2 to 8 fibers per port



FastNet Fiber Indexing Terminals




- Leverage innovative fiber indexing for new builds
- 8 and 12 fibers, OptiTap MPO, FastConnect MPO







For more details please send inquiries to sales@neatel.com






PRODUCTS OVERVIEW

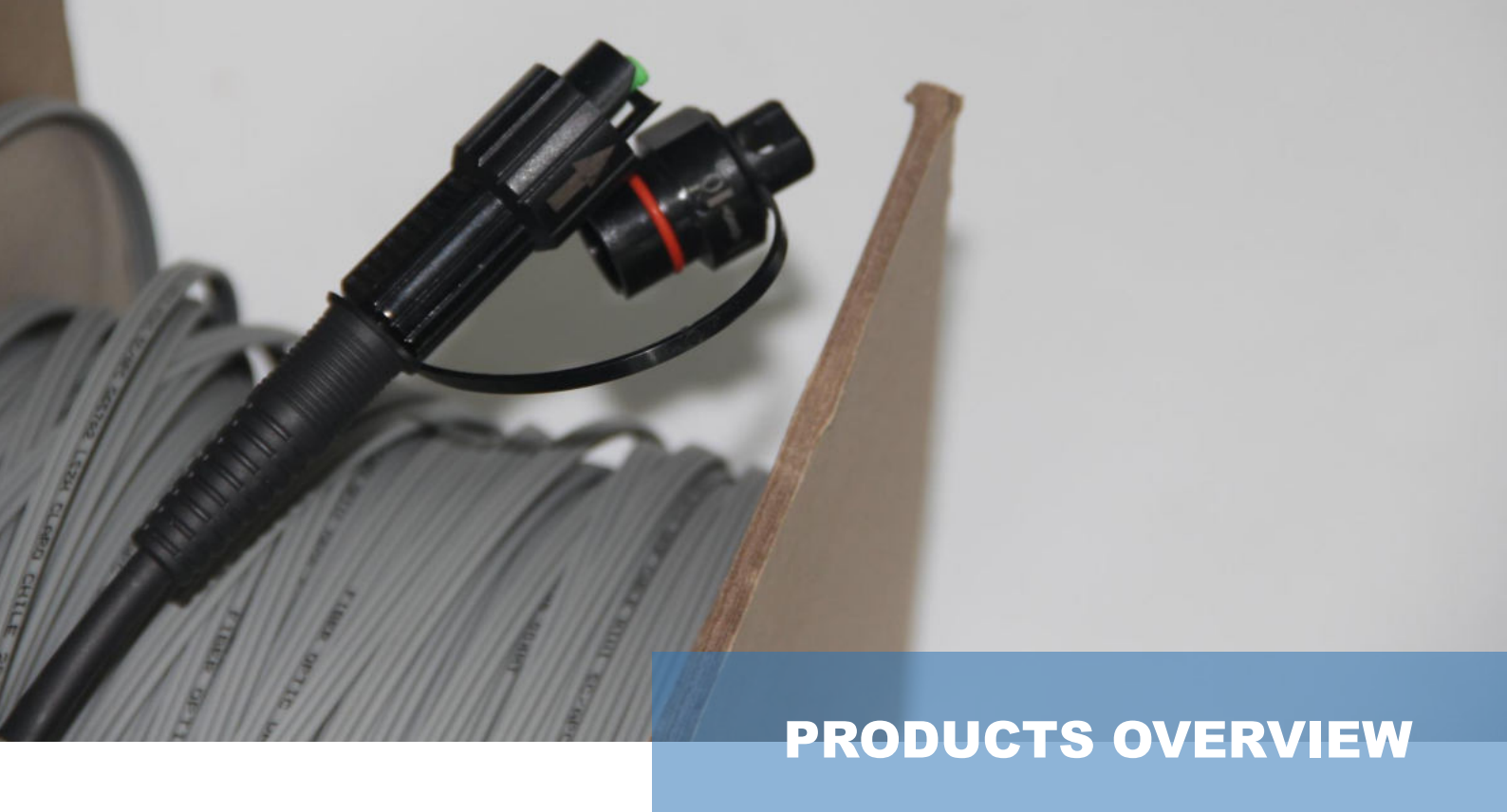
NEATEL	NEATEL FastNet System		
	OptiTap/FastConnect/Slim	OptiTap/FastConnect/Slim	OptiTap/FastConnect/Slim
Fiber Terminated Access Boxes			
Part No.	NTFTB8F1	NTFTB16F1	NTHW505
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	8 Ports	18 Ports	10 Ports
Installation Options	Strand Mounting, Pedestal Mounting, Pole Mounting, Wall Mounting		
Cable Type	Round and Flat Drop Cable		
Connector Type	Compatible for CORNING, HUAWEI and FURUKAWA		
Accommodate Splitters	1 x 8, 1 x 9, 1 x 17		
Color	White, Black or customized		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	OptiTap / Slim / FastConnect		
Waterproof	IP65	IP65	IP68
Note: Please contact us for more details on specification			

NEATEL	Outdoor Harden Optical Adapter			
	OptiTap	Slim	FastConnect	Fiber Home
Products				
Part No.	NTCN28	NTFA09	NTFA9012	NTFA9070
Note: Please contact us for more details on specification				




Hub Box




PRODUCTS OVERVIEW

NEATEL	NEATEL FastNet System		
	OptiTap/FastConnect/Slim	OptiTap/FastConnect/Slim	OptiTap/FastConnect/Slim
Fiber Terminated Access Boxes			
Part No.	NTHB10F Hub Box	NTFTB16F	NTHW16
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	2 in 2 out, 10 Ports	16 Ports	16 Ports
Installation Options	Strand Mounting, Pedestal Mounting, Pole Mounting, Wall Mounting		
Cable Type	Round and Flat Drop Cable		
Connector Type	Compatible for CORNING, HUAWEI and FURUKAWA		
Accommodate Splitters	1 x 9, 1 x 16		
Color	White, Black or customized		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	OptiTap / Slim / FastConnect		
Waterproof	IP68	IP68	IP65
Note: Please contact us for more details on specification			






PRODUCTS OVERVIEW




NEATEL	FastNet System Universal Hardened FastConnect SC Precon Single Connector		
	FastConnect	FastConnect	FastConnect
Picture			
Part No.	NTHW82		
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	1FO	1FO	1FO
Connector Type	Compatible for HUAWEI Solution		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	NTFA9012 FastConnect Reinforced		
Cable OD	5.0mm Round Cable	3.0mm Round Cable	2.0 x 5.0mm Drop Cable
Note: Please contact us for more details on specification			

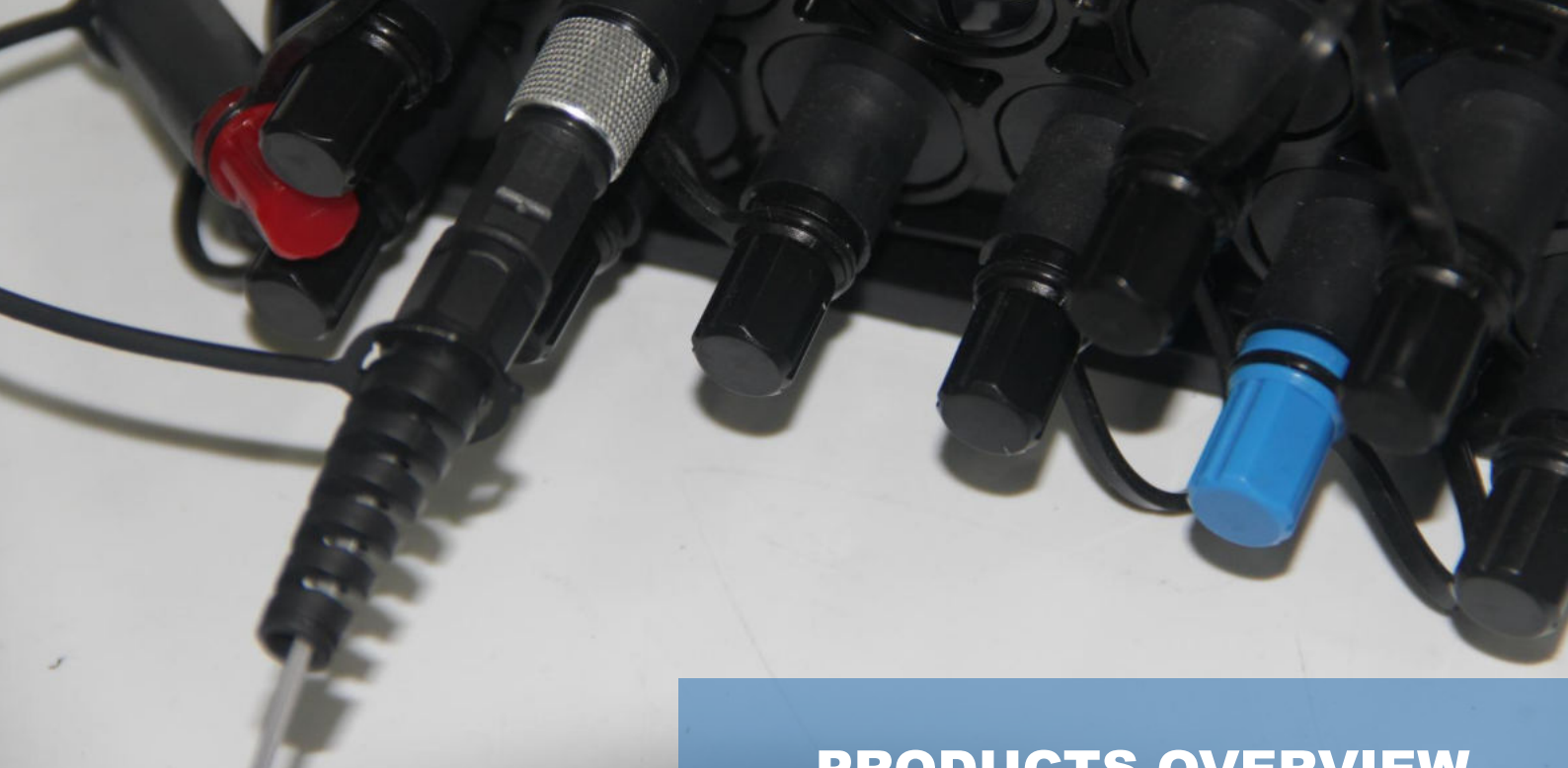
NEATEL	FastNet System Neatel Hardened FastConnect SC Precon Single Connector		
	FastConnect	FastConnect	FastConnect
Picture			
Part No.	NTHW820		
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	1FO	1FO	1FO
Connector Type	Compatible for HUAWEI Solution		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	NTFA9012 FastConnect Reinforced		
Cable OD	5.0mm Round Cable	3.0mm Round Cable	2.0 x 5.0mm Drop Cable
Note: Please contact us for more details on specification			






PRODUCTS OVERVIEW




NEATEL	FastNet System Universal Hardened OptiTap SC Precon Single Connector		
	OptiTap	OptiTap	OptiTap
Picture			
Part No.	NTOPT28		
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	1FO	1FO	1FO
Connector Type	Compatible for CORNING Solution		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	NTCN28 OptiTap Reinforced		
Cable OD	5.0mm Round Cable	3.0mm Round Cable	2.0 x 5.0mm Drop Cable
<i>Note: Please contact us for more details on specification</i>			

NEATEL	FastNet System Neatel Hardened OptiTap SC Precon Single Connector		
	OptiTap	OptiTap	OptiTap
Picture			
Part No.	NTOPT820		
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	1FO	1FO	1FO
Connector Type	Compatible for CORNING Solution		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	NTCN28 OptiTap Reinforced		
Cable OD	5.0mm Round Cable	3.0mm Round Cable	2.0 x 5.0mm Drop Cable
<i>Note: Please contact us for more details on specification</i>			



PRODUCTS OVERVIEW

NEATEL	FastNet System Neatel Hardened Precon Slim Connector		
	Furukawa Slim	Furukawa Slim	Furukawa Slim
Picture			
Part No.	NTSML820		
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	1FO	1FO	1FO
Connector Type	Compatible for FURUKAWA Solution		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	NTFA09 Slim Reinforced		
Cable OD	5.0mm Round Cable	3.0mm Round Cable	2.0 x 5.0mm Drop Cable
<i>Note: Please contact us for more details on specification</i>			

NEATEL	FastNet System Neatel Hardened SC Precon FiberHome Connector		
	Fiberhome	Fiberhome	Fiberhome
Picture			
Part No.	NTFH002		
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	1FO	1FO	1FO
Connector Type	Compatible for FIBERHOME Solution		
Preconnectorized	Yes, for terminals and drops	Yes, for terminals and drops	Yes, for subscriber drops
Harden Adapter Type	NTFA9070 FIBERHOME Reinforced		
Cable OD	5.0mm Round Cable	3.0mm Round Cable	2.0 x 5.0mm Drop Cable
<i>Note: Please contact us for more details on specification</i>			






3 in 1 Field Assembly Optical Connector

FTTX Pre-connectorized Solution



OUTDOOR IP68

PRODUCTS OVERVIEW

NEATEL	FastNet System Neatel Special SC Hardened Connector		
	2 IN 1 Factory Assembly	3 IN 1 Factory Assembly	3 IN 1 Field Assembly
Picture			
Part No.	NT652	NTFA08	NTFA09
Application	FTTH, FTTA, Trunk, Cable Connecting		
Capacity Ports	1FO	1FO	1FO
Harden Adapter Type	Corning and Huawei	Corning, Huawei and Furukawa	Corning, Huawei and Furukawa
Cable OD	5.0mm Round Cable	3.0mm Round Cable	2.0 x 5.0mm Drop Cable

Note: Please contact us for more details on specification

Completely Solutions of Harden Connector and Adapter





IP65

FASTCONNECT & OPTITAP

Field Installable Connector



PRODUCTS OVERVIEW

Outdoor 10 Ports OptiTap NAP Terminal Box

⇒ IP68



Part No: NTHW505

Product Detail

This kind of Fiber Access Terminal up to support 10 ports of OptiTap harden adapter apply for FTTH solution, inside has 1pcs 1x9 or 1x8 PLC splitter design connection. In order to achieve waterproof IP68 level, NEATEL using professional ultrasonic welding technology to press together, this is for outdoor installation is efficient and convenient, labor-saving and time-saving solution the best option chosen.

For more specific information please do not hesitate email send to sales@neatel.com.



- Harden adapter and cable assembly available for producing, with adapter pull tab for easy installation



PRODUCTS OVERVIEW

Outdoor 10 Ports FiberHome NAP Terminal Box

⇒ IP68

Product Detail

This kind of Fiber Access Terminal support 10 ports of FiberHome harden adapter apply for FTTH solution, inside has 1pcs 1x9 or 1x8 PLC splitter design connection. In order to achieve waterproof IP68 level, NEATEL using professional ultrasonic welding technology to press together, this is for outdoor installation is efficient and convenient, labor-saving and time-saving solution the best option chosen.

For more specific information please do not hesitate email send to sales@neatel.com.



- Harden adapter and cable assembly available for producing, with adapter pull tab for easy installation



Part No: NTHW505

PRODUCTS OVERVIEW

Outdoor 10 Ports FastConnect NAP Terminal Box

⇒ IP68



Product Detail

This kind of Fiber Access Terminal support 10 ports of HUAWEI FastConnect harden adapter apply for FTTH solution, inside has 1pcs 1x9 or 1x8 PLC splitter design connection. In order to achieve waterproof IP68 level, NEATEL using professional ultrasonic welding technology to press together, this is for outdoor installation is efficient and convenient, labor-saving and time-saving solution the best option chosen.

For more specific information please do not hesitate email send to sales@neatel.com.

Features

- Compatible for FastConnect Series;
- Cable assembly with 5.0/3.0mm round cable and 2.0 x 5.0mm flat drop cable;
- FastConnect adapter with PEI material requested.

- ▣ Strand (Aerial) Mounting
- ▣ Pedestal Mounting
- ▣ Pole Mounting
- ▣ Wall Mounting



PRODUCTS OVERVIEW

Outdoor 10 Ports Slim NAP Terminal Box

⇒ IP68



Product Detail

This kind of Fiber Access Terminal support 10 ports of Furukawa Slim harden adapter apply for FTTH solution, inside has 1pcs 1x9 or 1x8 PLC splitter design connection. In order to achieve waterproof IP68 level, NEATEL using professional ultrasonic welding technology to press together, this is for outdoor installation is efficient and convenient, labor-saving and time-saving solution the best option chosen.

For more specific information please do not hesitate email send to sales@neatel.com.

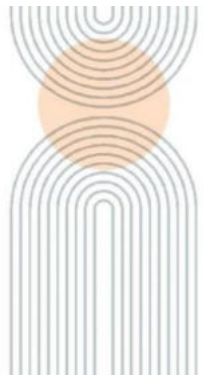




PRODUCTS OVERVIEW

Outdoor 16 Ports FastConnect NAP Terminal Box

⇒ IP65



Product Detail

This kind of Fiber Access Terminal support 16 ports of HUAWEI FastConnect harden adapter apply for FTTH solution, inside has 1pcs 1x16 PLC splitter design connection. This kind of FAT box from NEATEL can connect the drop cable with feeder cable as the termination point in the FTTH network, which is cable to meet at least 16 users requirements. It can help splicing, splitting, storage and management with suitable space. In order to achieve waterproof IP65 level, NEATEL using professional ultrasonic welding technology to press together.



- **Strand (Aerial) Mounting**
- **Pole Mounting**



PRODUCTS OVERVIEW

Outdoor 8 Ports FastConnect NAP Terminal Box

⇒ IP65

Product Detail

This kind of Fiber Access Terminal support 8 ports of HUAWEI FastConnect harden adapter apply for FTTH solution, inside has 1pcs 1x8 PLC splitter design connection. This kind of FAT box from NEATEL can connect the drop cable with feeder cable as the termination point in the FTTH network, which is cable to meet at least 8 users requirements. It can help splicing, splitting, storage and management with suitable space. In order to achieve waterproof IP65 level, NEATEL using professional ultrasonic welding technology to press together.

For more specific information please do not hesitate email send to sales@neatel.com.

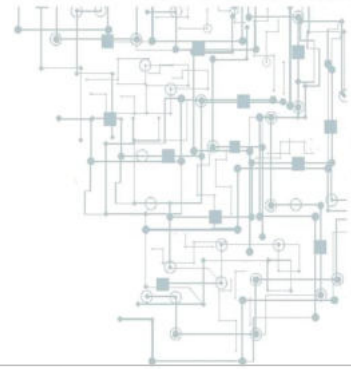




PRODUCTS OVERVIEW

Outdoor 16 Ports FastConnect NAP Terminal Box

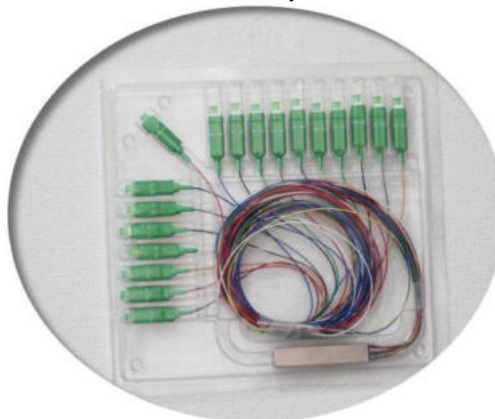
⇒ IP68



Product Detail

This kind of Fiber Access Terminal support 18 ports compatible for OptiTap, Slim and FastConnect harden adapter apply for FTTH solution, inside has 1pcs 1x17 PLC splitter design connection. In order to achieve waterproof IP68 level, NEATEL using professional ultrasonic welding technology to press together, this is for outdoor installation is efficient and convenient, labor-saving and time-saving solution the best option chosen.

1x17 PLC Splitter



Features

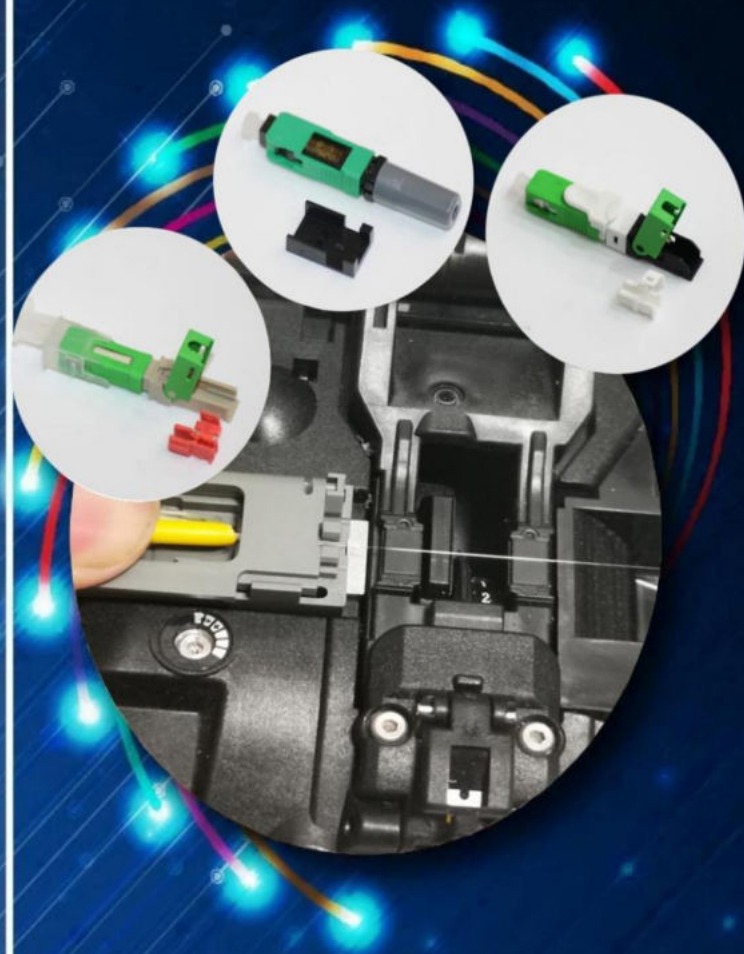
- 30:70 Ratio 1 x 2 FBT
- 50:50 Ratio 1 x 16 PLC splitter
- Multiport Service Terminal


Field Assembly Optical Connectors

SCFAOC2309A

NT-SCAPC008

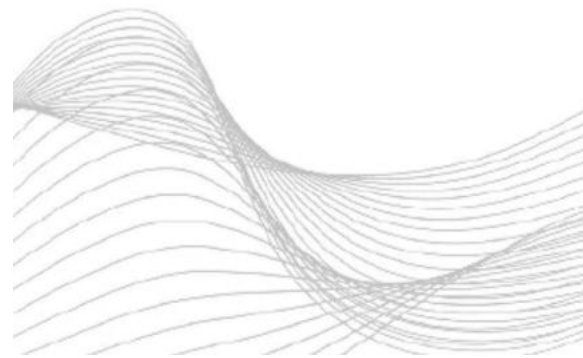
SCFAOC2208A





Products Overview

SC APC Field Installable Optical Connectors



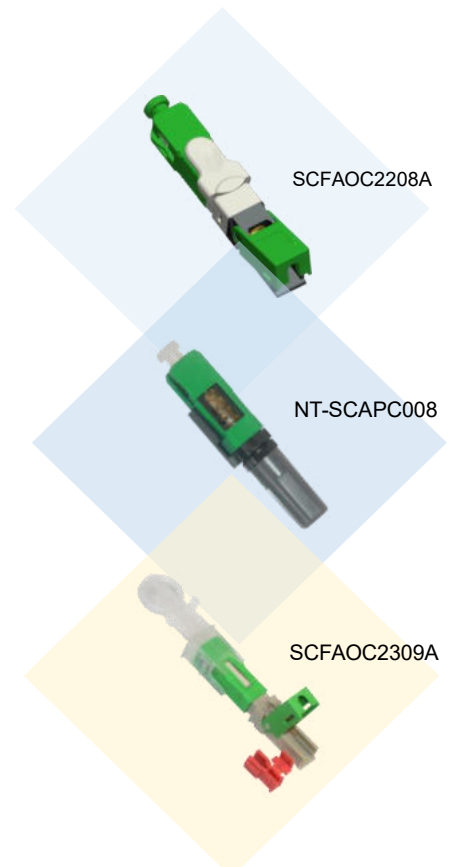
Product Detail

The mechanical splicing method for the Infinium field installable mechanical connectors is accomplished with no epoxy or polishing and requires no special tools for fast and easy assembly in the field. The reusable termination capability saves time and money while reducing scrap. The VFL window enables immediate feedback on successful termination.

For more specific information please do not hesitate email send to sales@neatel.com.

Features

- Fast, simple installation process with reliable, high-performance, high-yield results
- Integrated Visual Fault Locator (VFL) for instant visual verification of termination
- Common 3-Step Procedure for all connector types is easy to learn and repeat
- Low Insertion Loss $\leq 0.30\text{dB}$
- No crimp, no epoxy and no polishing reduces installation time and cost
- Follow TIA/EIA-568-C.3 color identification scheme for easy identification of fiber type; visually compatible with patch cords and connectivity that also follow the color ID scheme






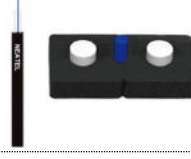
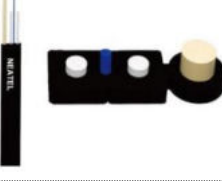
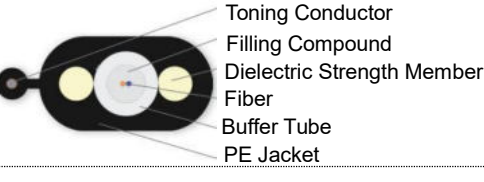
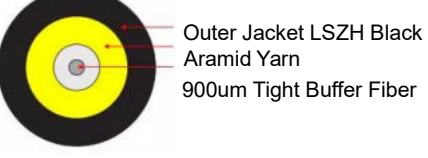

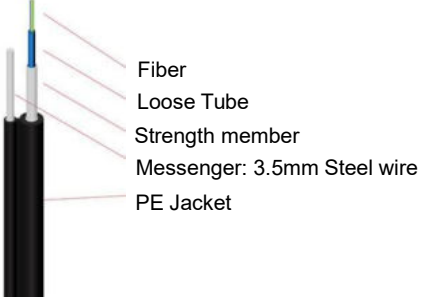
Fiber Cable Products

Fiber Cable Connect the World Closing


www.neatel.com





Part No.	Cable Structure	Product Description
NTCBL-GJXFH		<ul style="list-style-type: none"> Optical fiber in central Strength member: 2pcs of FRPs in parallel Outer jacket: Black/Gray sheath Dimension: 2.0 x 3.0mm, Flat drop cable
NTCBL-GJXH		<ul style="list-style-type: none"> Optical fiber in central Strength member: 2pcs of steel wires in parallel Outer jacket: Black/Gray sheath Dimension: 2.0 x 3.0mm, Flat drop cable
NTCBL-GJYXFCH/GJYXCH		<ul style="list-style-type: none"> Optical fiber in central Strength member: Dielectric Strength Members Messenger: Steel wire Outer Jacket: Black/Gray LSZH sheath Dimension: 2.0 x 5.0mm, Flat drop cable
NTCBL-SST001		<ul style="list-style-type: none"> SST Drop Single-tube, Toneable, Gel-filled Cable, 1F Strength member: Dielectric Strength Member Toning Conductor: Copper Wire 24 AWG Outer Jacket: Black PE sheath Dimension: 10.2 x 4.7mm, Flat drop cable
NTCBL-RD001		<ul style="list-style-type: none"> Single-tube Cable, 1F Strength member: Aramid Yarn Outer Jacket: Black LSZH sheath Dimension: 5.0mm, Round cable
NTCBL-RD002		<ul style="list-style-type: none"> Double-tube Cable, 1F Strength member: Aramid Yarn Outer Jacket: Black LSZH sheath Inner Jacket: 3.0mm Inner Jacket LSZH Dimension: 5.0mm, Round cable
NTCBL-RD008		<ul style="list-style-type: none"> Optical fiber in central, 1F Strength member: Aramid Yarn Messenger: 3.5mm Steel wire Outer Jacket: Black LSZH sheath Inner Jacket: 3.0mm Inner Jacket LSZH Dimension: 3.5 x 5.0mm, Fig 8 cable





Other Fiber Passive Optical Components



【Hot Product】 Fiber Optic Patch Lead

“ Fiber Optic Patch Cord, Connecting the world ”

NEATEL



A fiber optic patch cord is a fiber optic cable capped with connectors at both ends that allows convenient and fast transmission of light. Those with only one connector are widely called as pigtails. NEATEL as the world's leading fiber optic components manufacturer, designs and manufactures various fiber optic patch cords.



We provide customized products with various requirements to achieve more convenient, efficient and safe network system.

Customer Concerned, Win-win Strategy

World's Leading Fiber
Optical Equipment
Manufacturer

Optical Patch Leads

LC SC FC ST MPO MTRJ CONNECTOR

Classify by fiber type

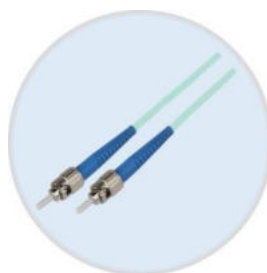
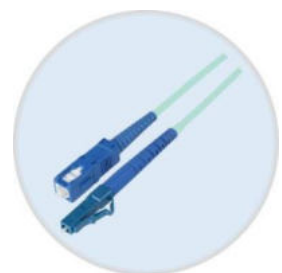
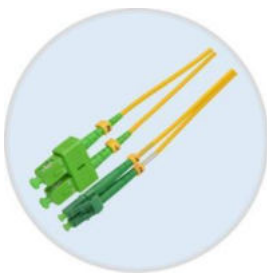
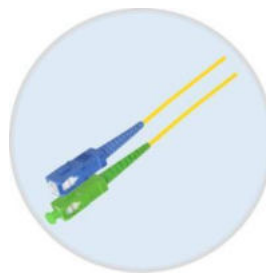
OS2 9/125 μ m Single mode (Jacket is mainly yellow)
OM1 62.5/125 μ m multimode (Jacket is mainly orange)
OM2 50/125 μ m multimode (Jacket is mainly orange)
OM3 50/125 μ m multimode (Jacket is mainly aqua)
OM4 50/125 μ m multimode (Jacket is mainly violet, magenta)

Diameter: 250 μ m bare fiber, 900 μ m tube, 2.0mm jacket, 3.0mm jacket, customized diameter etc available.

Classify by connector

UPC—UPC stands for ultra-physical contact and has a dome-shaped end face, connector color is mainly blue (SM)/beige (MM).

APC—APC stands for angled physical contact and has an 8 degree angle, connector color is mainly green.

**MTP/MTP****ST - ST****SC -LC****LC -SC****SC - SC****SC -LC Trunk**

Classify by fiber type

You may also classify patch cord according to its fiber count, jacket material, cable length etc.

Classify according to fiber count

Simplex and duplex cables are most commonly used. Besides that, you may also choose bundle cable with 4Fiber / 8Fiber / 12Fiber / 24Fiber / 36Fiber / 48Fiber

Classify according to jacket material

Mainly TPU, PE, PVC and LSZH.

Classify according to cable length

1m, 2m, 3m, 5m, 10m, 15m, 20m, 30m...and customized length.

No.2

NEATEL's patch cord
Widely application

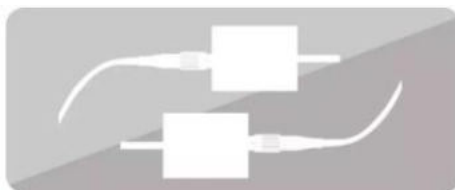
APPLICATION

NEATEL's patch cords are widely used in: fiber optic telecommunication system, access network, data center, CATV, LAN, fiber optic test equipment, fiber sensor etc.





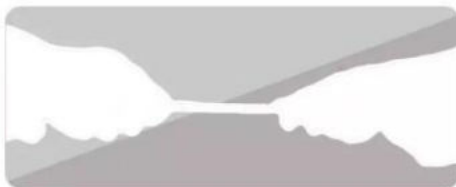
Low insertion loss



>1000 plug times



Good repeatability



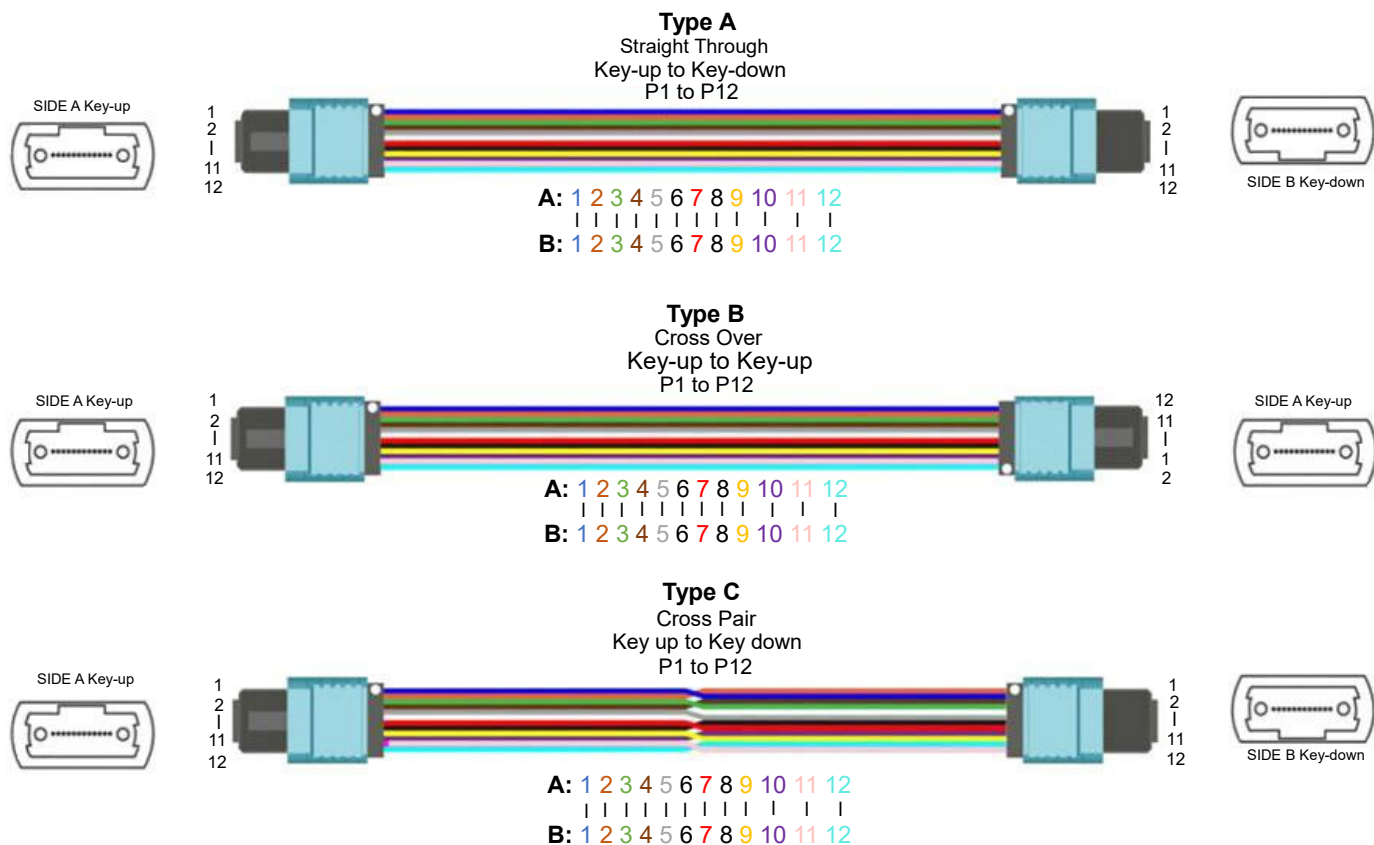
MPO/MTP

Optical Patch Cord

MTP/MPO Patch Cord

MTP/MPO Connector		Standard SM MT Ferrule		Low Loss SM MT Ferrule		Standard MM MT Ferrule	Low Loss MM MT Ferrule
Polish Type		APC	PC	APC	PC	PC	PC
IL (dB)	Typical	0.50	0.50	0.30	0.30	0.50	0.30
	Maximum	0.70	0.70	0.50	0.50	0.70	0.50
RL (dB)		60	45	60	45	20	20
Exchangeability (dB)		≤0.3					
Durability (dB)		<0.2 (500 Matings, per EIA-455-21A)					
Tensile Strength (dB)		≤0.3 (Max 66N)					
Operating Temperature (°C)		-20 ~ +60					
Storage Temperature (°C)		-40 ~ +80					

MPO Communication Marks Division



Optical Patch Cables

Parameter	FC, SC, LC			ST, MU		MTRJ	
	SM		MM	SM	MM	SM	MM
	UPC	APC	UPC	UPC	UPC	UPC	UPC
Operating Wavelength (nm)	1310, 1550		850, 1300	1310, 1550	850, 1300	1310, 1550	850, 1300
IL (dB)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3
RL (dB)	≥55	≥60	≥35	≥50	≥35	≥50	≥35
Repeatability (dB)	≥0.1						
Interchangeability (dB)	≥0.2						
Plug Times (times)	≥0.2						
Tensile Strength (N)	≥100						
Durability (dB)	≤0.2						
Operating Temperature (℃)	-45 ~ +75						
Storage Temperature (℃)	-45 ~ +85						
Remark: Customized order is also available							



OPTICAL PATCHCORD

FLYIIN / OPTRONICS

Advanced production technology, 5S standard management

NEATEL owns a factory of 8000sqm, which has the most advanced equipments and 5S standard management. NEATEL is always customer-centered and value both high quality products and on time delivery.



1. Cutting the Cable

Using advanced and precise cable-cutting machine



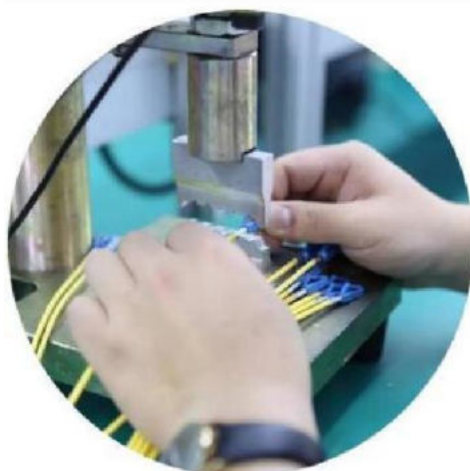
2. Assembling

Assembling all the parts efficiently



3. Curing

Curing the ferrule after the parts are assembled



4. Assembling

Assembling the rest parts into a complete connector



5. Polishing

4 times polishing: 30μm-9μm-1μm-Transparent polishing



6. Testing

Testing the endface, insertion loss and return loss

* The whole process strictly follows the standard manufacturing process, which is highly efficient. The raw materials, manufacturing equipments, semi-finished products and finished products are multiple tested to ensure that every cable from NEATEL is of good quality.

**COMPETITIVE PRICE**

With our own factory and can maintain our cost

**RELIABLE MATERIAL**

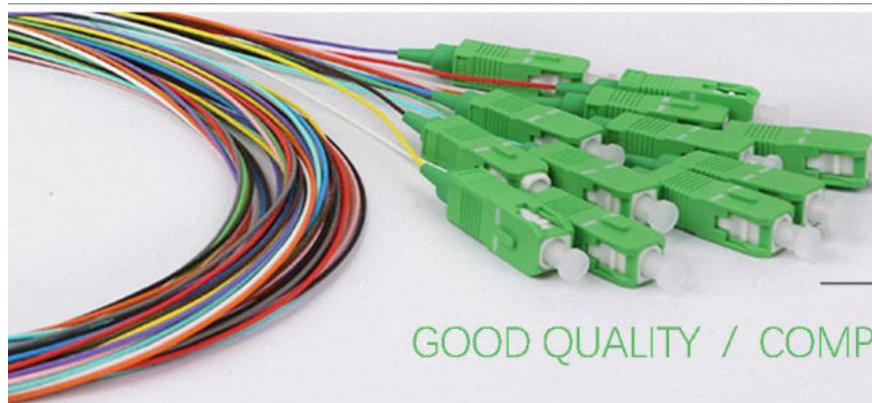
Ferrule from Japan imported connector parts

**HIGH QUALITY**

Advanced polishing and testing equipment

**WARM SERVICE**

Fast response, patient before and after sales services



FLYIN OPTRONICS
OPTICAL PATCHCORD

GOOD QUALITY / COMPETITIVE PRICE / WARM SERVICE

1

The minimum bending radius of singlemode cable with G652D fiber is 30mm. To protect the ferrule and its endface, also not to get polluted by the air, please put on the dust cap when not using the patch cord. If the endface gets dirty and polluted, please wipe it gently with industrial alcohol, or it might affect the insertion loss.

2

To ensure accurate data transmission, please make sure the transmitting and receiving wavelength of the transceivers on both sides of the patch cords are the same. Please do not look straight on the ferrule with naked eye while signal transmission, because laser signal is bad for the eyes.

3

Please change the patch cable when it's damaged. When problems occur in fiber network system, you may use the fault eliminating method to test each port. To test the on off of the transmission, you may use the red laser pointer, or more precise tester to test its insertion loss and return loss. If the testing result of the insertion loss is 30% higher than normal range after changing three patch cords, you may check if the ferrule is polluted or damaged.

4

If the patch cord is used in cabling center, we suggest to choose PVC jacket, which has better mechanical performance and modest price. Also, it features antioxidant and anti degradation. If it's used in connection between buildings, we suggest to choose LSZH jacket, which has special flame retardant coating. It features low smoke, low toxicity and zero halogen.



Products Overview

NEATEL Fiber Optic Adapters and Attenuators			
Picture			
Part No.	NTFALCAPC002	NTFASCAPC001	NTOALCAPC001
Product Name	Optical Adapter	Optical Adapter	Optical Attenuator
Model Type	LC APC	SC APC	LC APC
Note: Please contact us for more details on specification			

NEATEL Fiber Optic Patch Cable, Pigtaills and Optical Reflector			
Picture			
Part No.	NTPC45	NTPTSC001	NTFORSC001
Product Name	Fiber Optic Patch Cables	Fiber Optic Pigtaills	FBG Fiber Optic Reflector
Model Type	3M VF45	0.9mm SC APC	Monodirectional & Bidirectional
Note: Please contact us for more details on specification			

NEATEL High Density Data Center Cabling Solutions			
Picture			
Part No.	NTMP12	NTCM24	NT1UMPP144
Configuration	MTP/MPO Trunk Cable	MTP/MPO Cassette Module	1RU 144F Patch Panel
Model Type	8, 12, 24, 72, 96, 144 Cores	12, 24 Cores	144 Cores
Note: Please contact us for more details on specification			

NEATEL

NEATEL OPTIC TECHNOLOGY CO.,LTD.

- About NEATEL

NEATEL established in Nov 2011, is a leading worldwide manufacturer of fiber optic components. NEATEL owns a factory of 8000 square meters with around 350 employees.

NEATEL's product range covers both passive and active parts in fiber optic communication industry. Both our quality and market share rank near the top in this industry. Our main passive components are: Wavelength Division Multiplexer (CWDM, DWDM, FWDM, OADM, AWG), PLC Splitter, Optical Patch Cord, Optical Circulator, Mechanical Optical Switch, Optical Isolator, relevant high power and Polarization maintaining device etc. Our main active devices are: WDM system, EPON system, Line/bypass protection equipment, optical transceiver, EDFA, Media Converter and so on.

More Information for NEATEL, Please Visit:

www.neatel.com



Contact NEATEL

Address: No.8 High-tech Industry Park Chaoyang Road, Guangming Industry Zone, China

Tel: +86.135.4428.9665

Fax : +86.755.2822.3109

Email : sales@neatel.com