

NEATEL
SINCE 2012

FTTX

Quick ODN Preconnectorized Solution

Focus on Professional to be Specialist

www.neatel.com

NEATEL

As FTTx network architecture is gradually matured in head CSP deployments, people are beginning to focus on achieving more accurate and automated monitoring through third-generation ODN to reduce operating costs. NEATEL can be compatible with the solutions of major brands around the world and can effectively transmit optical fiber signals. Our product design is based on customer customized needs and uses the advantages of our factory to provide services to customers. Currently, we produce **Fiber Optic Cables** and injection molding of **Optical Distribution Terminal Box** and outdoor **Preconnectorized cable** well connect to the home. Now our products have been used in bidding projects of major operators in South America, such as Movistar, Claro, Telefonica, VIVO and Tigo, combining our product solutions and technologies can provide professional and high-quality services to every customer.

Nowadays, the FTTx industry is promoting the introduction of modern technologies into ODN to reduce operating costs and improve access network performance. Welcome to contact us for more information related Fiber Optic Products and Solutions.

Building a FTTH Network Efficiently with NEATEL Preconn ODN Solution

sales@neatel.com

PRODUCT CATALOG

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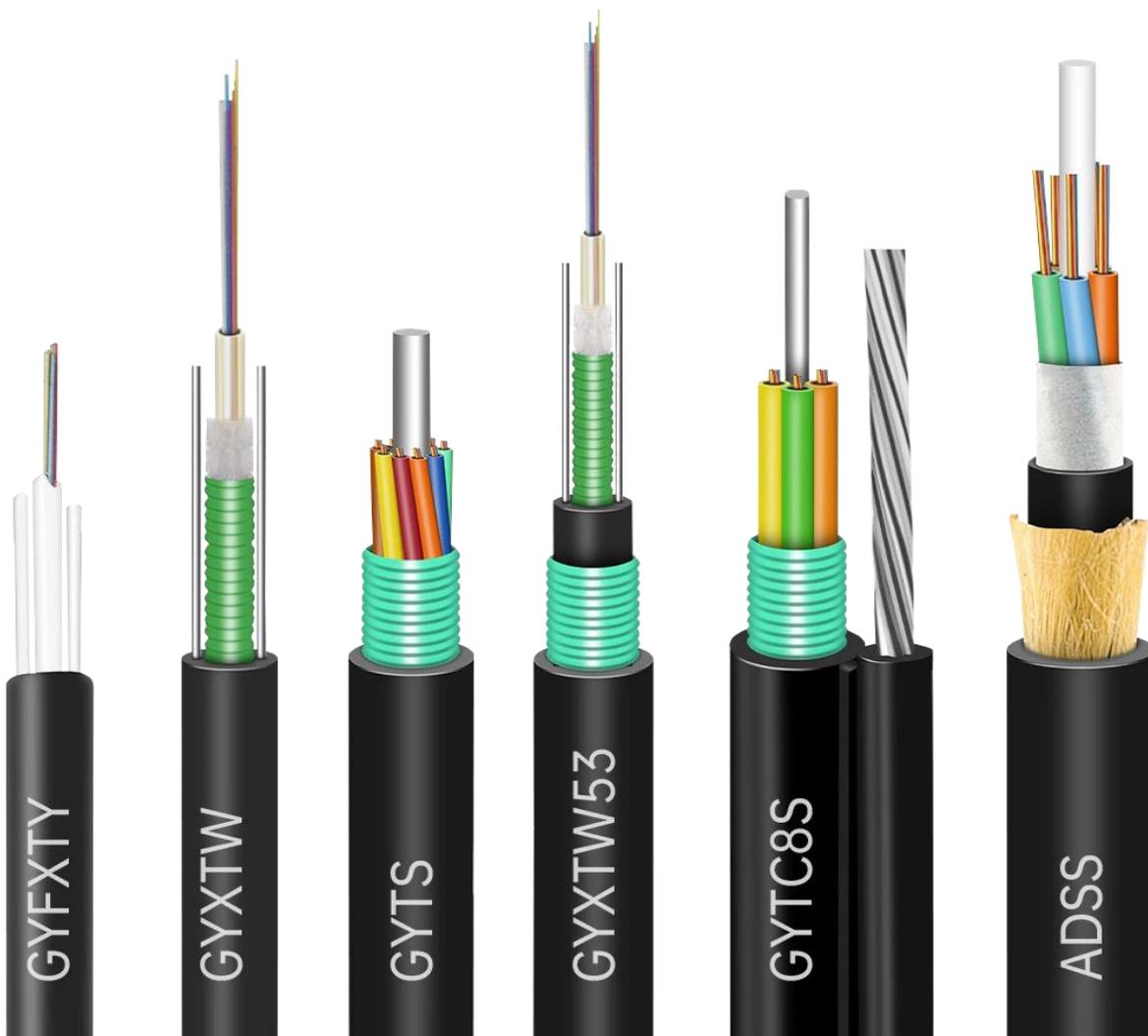
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Outdoor Optical Cable

01



Keyed Characteristics

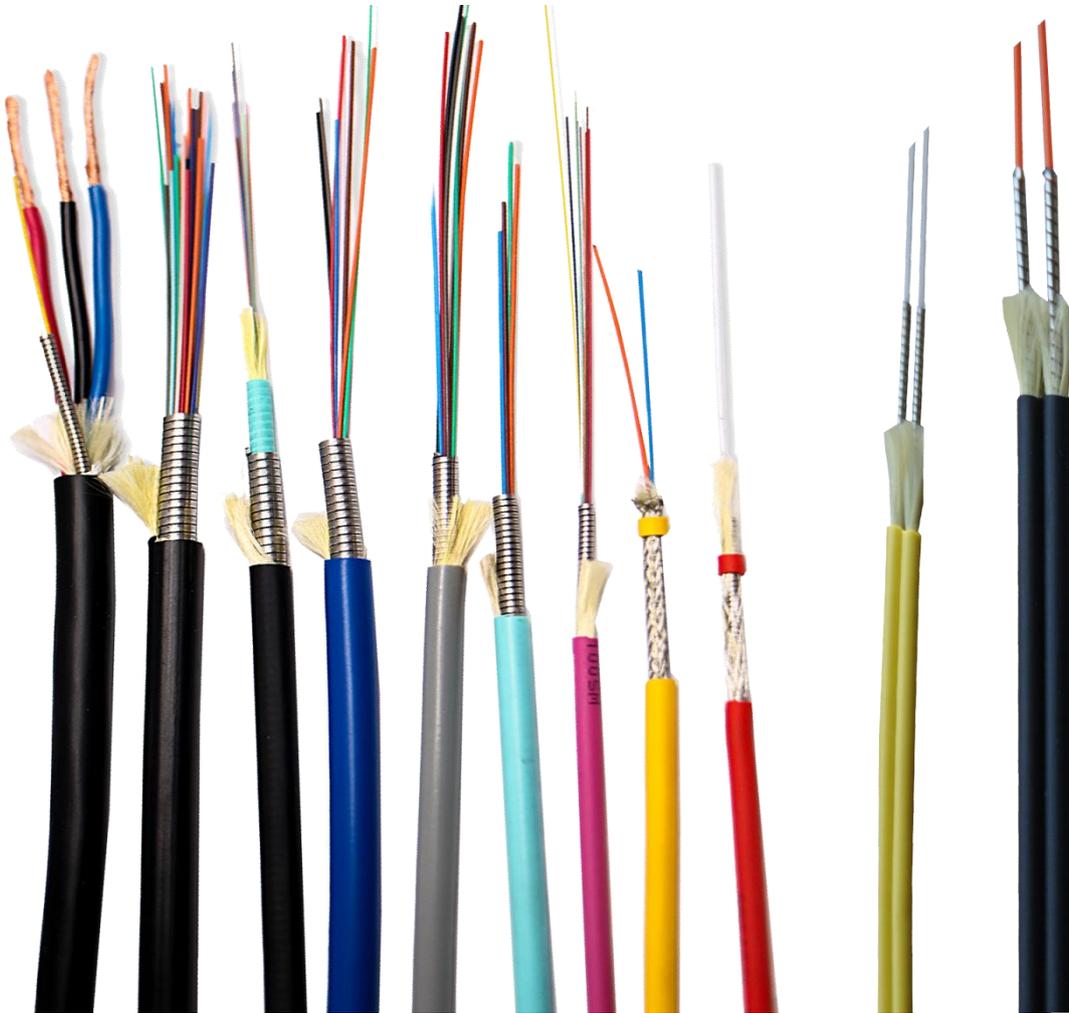
- ✓ Fiber count up to 288 cores;
- ✓ Aerial/Duct application;
- ✓ Dual PE providing;
- ✓ Waterproofing Layer Proving Strong Water-Resistance Performance and UV protection;
- ✓ Flame retardant or LSZH jacket is available;
- ✓ Economy choice;
- ✓ Comply to TIA/EIA568b-3 and ISO/IEC 11801.

Application

- ✓ Aerial / Direct Buried / Duct.

Tactical Armored Cable

01



Keyed Characteristics

- ✓ 12 fibre configurations;
- ✓ Choice of fibre type and specification;
- ✓ High tensile strength and crush resistant;
- ✓ Corrugated Steel Armouring protective;
- ✓ Suitable for harsh external environments;
- ✓ Corning SMF-28e Single-mode fibre types.

Application

- ✓ LAN direct burial, tunnels and heavy-duty ducts;
- ✓ Indoor & Outdoor.

Optical Distribution Terminal Box

02

IP68 10 Ports 2 in 2 out FastConnect Hub Box



Keyed Characteristics

- ✓ Plug and play, FastConnect drop cable instead of splicing, be installed without opening the box;
- ✓ Faster cable inletting and sealing module make installation efficiently;
- ✓ Support dispatching fibers from same loose tube into different trays;
- ✓ Flexible splicing tray design;
- ✓ Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor use.

Product Specification

- ✓ 48 fibers, 4 pcs splice trays;
- ✓ Pass-through cable: $\Phi 8\text{mm}$ to $\Phi 18\text{ mm}$;
- ✓ Auxiliary cable: $\Phi 8\text{mm}$ to $\Phi 16\text{ mm}$;
- ✓ The maximum size of the support hole: ≈ 16 .

Optical Distribution Terminal Box

02

IP68 16 Ports 2 in 2 out FastConnect Hub Box



Keyed Characteristics

- ✓ Made of high quality engineer plastic material (PP), Good mechanical strength, Elegant appearance, sturdiness and durability;
- ✓ Suitable for indoor or outdoor ,wall-mounted , pole installation;
- ✓ Built-in Stacked splice tray, easy for open, the splice tray can be taken down, easy for installation and maintenance;
- ✓ Fiber routing is reasonable;
- ✓ Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.

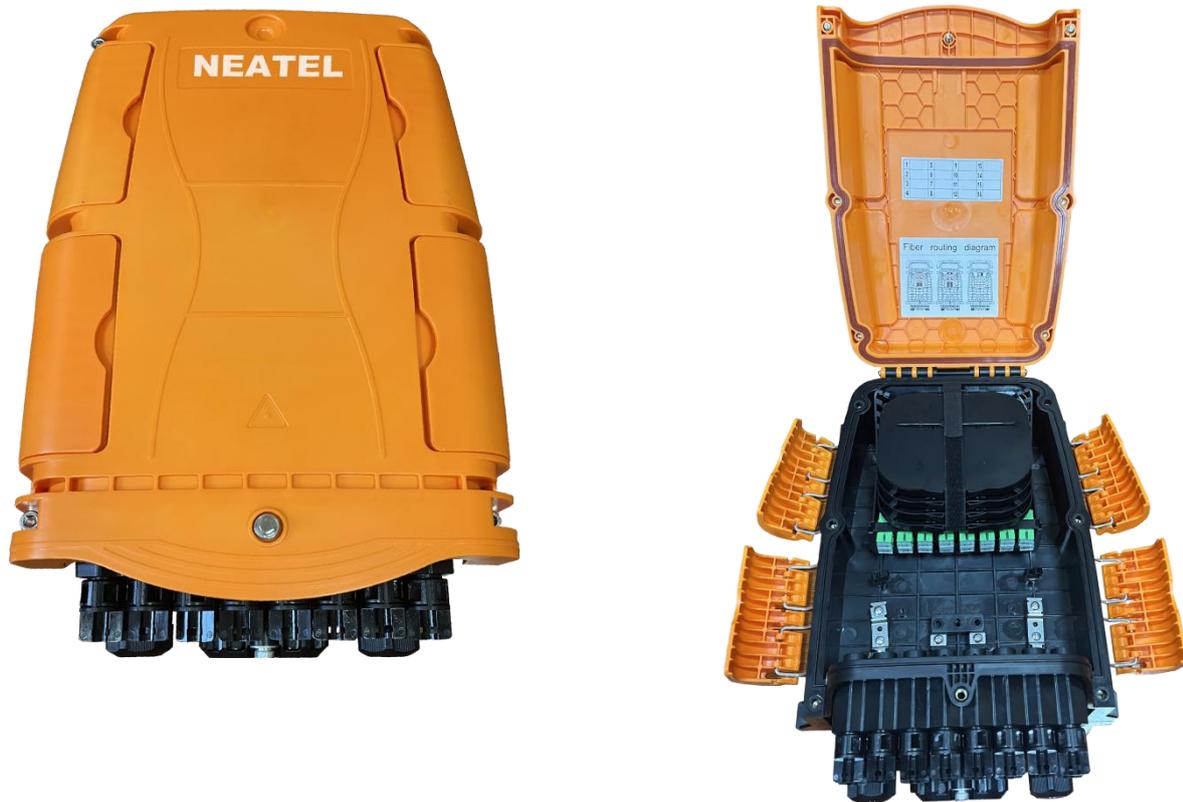
Product Specification

- ✓ 48 fibers, 4 pcs splice trays;
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- ✓ Auxiliary cable: $\Phi 8\text{mm}$ to $\Phi 16\text{ mm}$;
- ✓ The maximum size of the support hole: $\varnothing 16$.

Optical Distribution Terminal Box

02

IP68 16 Fibers Pre-connectorized Optical Distribution Box



Keyed Characteristics

- ✓ Plug and play and advanced structure design, easy operation and reasonable routing;
- ✓ Material: PP or PC+ABS;
- ✓ Moisture proof, waterproof, dust-proof, anti-aging;
- ✓ Protection level up to IP68;
- ✓ 1 oval optical cable entry, 2 branch optical cable entries and 16 pre-connected adapters;
- ✓ 2 type splice trays optional;
- ✓ Installation method: pole-mounted, aerial-mounted, wall-mounted;
- ✓ It can be equipped with drop cable storage tray to meet the storage of 50 meters 5mm round cable.

Product Specification

The equipment is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

CTO / NAP Precon Box

02

IP68 Pre-connectorized Fiber Access Terminals Box



Keyed Characteristics

- ✓ High compatibility support harden adapter of OptiTap, Slim and FastConnect;
- ✓ Strong enough: working under 1000N pulling force long term;
- ✓ Installation on Wall/Pole/Aerial mounted, underground;;
- ✓ Available with balanced or un-balanced PLC fiber divide;
- ✓ Decreased angle surface and height make sure no connector interfering when operating;
- ✓ Cost effective: save 40% operating time and less manpower.

Product Specification

This FAT distribution box for outdoor application, it designed for connected with 3 different waterproof adapters, which are Corning OptiTap or Huawei FastConnect Mini SC/APC and Furukawa Slim solution. Fiber access terminal box (FAT) also named as optical termination box (OTB), is a compact fiber management box used for FTTH application. Fiber termination box (FTB) is widely used in FTTx cabling for both fiber cabling and cable management.

CTO / NAP Precon Box

02

IP65 Pre-connectorized Fiber Access Terminals Box



Keyed Characteristics

- ✓ Total enclosed structure;
- ✓ Material:PC+ABS, wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP65;
- ✓ Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one;
- ✓ Cable, pigtails, and patch cords are running through their own paths without disturbing each other, micro type PLC splitter installation, easy maintenance;
- ✓ Distribution panel can be flipped up, feeder cable can be placed by expression port, easy for maintenance and installation;
- ✓ Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor use.

Product Specification

This kind of FAT box is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, and distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

CTO / NAP Precon Box

02

IP65 8/16 Fibers Optical Distribution NAP Box



Keyed Characteristics

- ✓ Total enclosed structure;
- ✓ Material:PC+ABS, wet-proof, water-proof, dust-proof, anti-aging, protection level up to IP65;
- ✓ Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one;
- ✓ Cable, pigtails, and patch cords are running through their own paths without disturbing each other, micro type PLC splitter installation, easy maintenance;
- ✓ Distribution panel can be flipped up, feeder cable can be placed by expression port, easy for maintenance and installation;
- ✓ Box can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor use.

Product Specification

This kind of FAT box is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, and distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

Precon Cable Assembly

02

OptiTap Drop Series

NTOPT001



Cable 4.7x8.1mm Flat Drop

NTOPT002



Cable 3.0/5.0mm Round Drop
Cable 4.5x5.1mm Flat Drop

NTOPT003

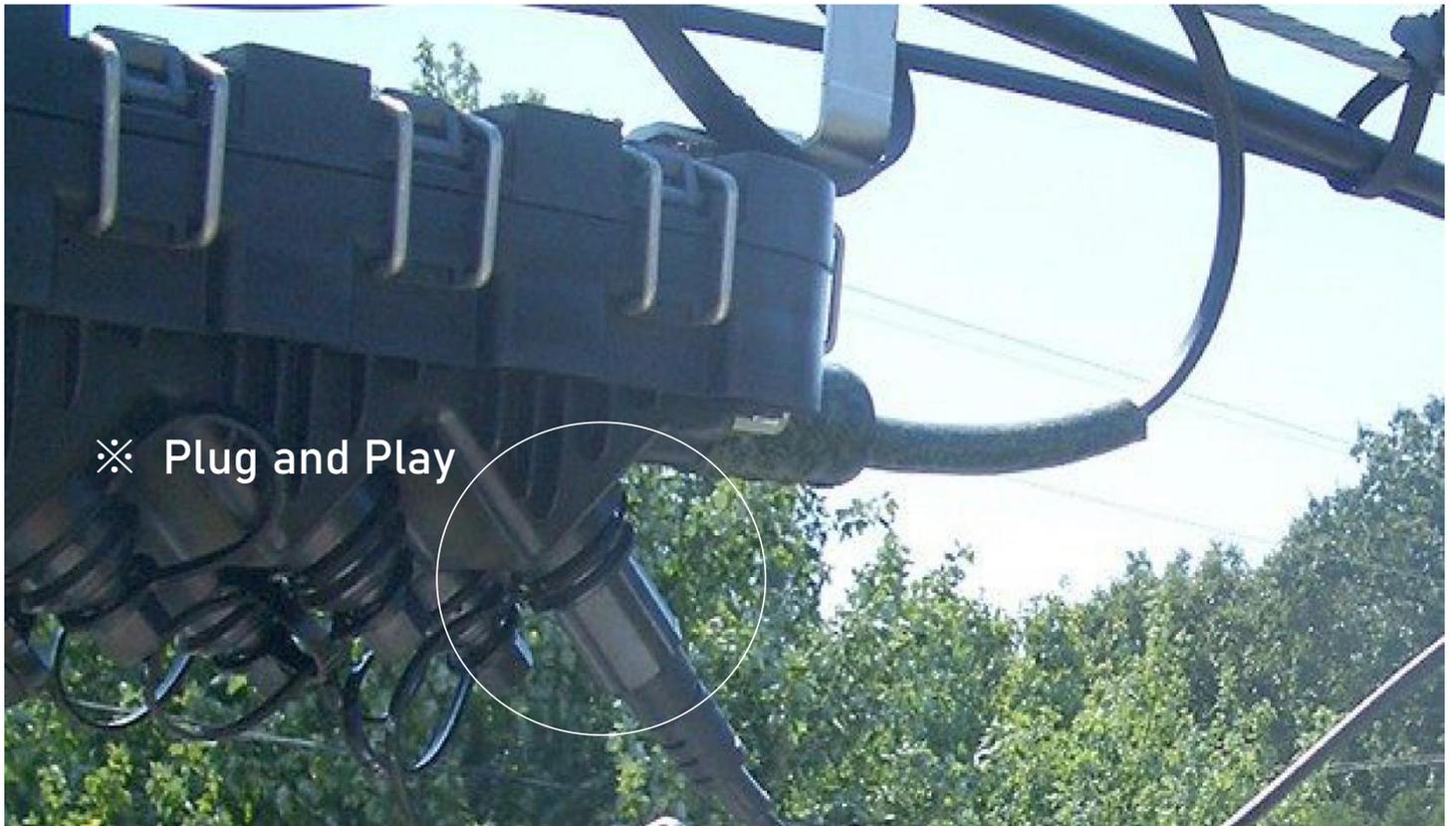


Cable 2x3/2x5mm Flat Drop

NTOPT004



Cable 5.0mm Round Drop
Cable 4.7x8.1mm Flat Drop



Precon Cable Assembly

FastConnect Drop Series

02



Cable 5.0mm Round Drop



Cable 3.0mm Round Drop



Cable 2x5mm Flat Drop



Cable 2x3mm Flat Drop



※ Plug and Play

Precon Cable Assembly

Furukawa Slim Drop Series

02



Cable 5.0mm Round Drop



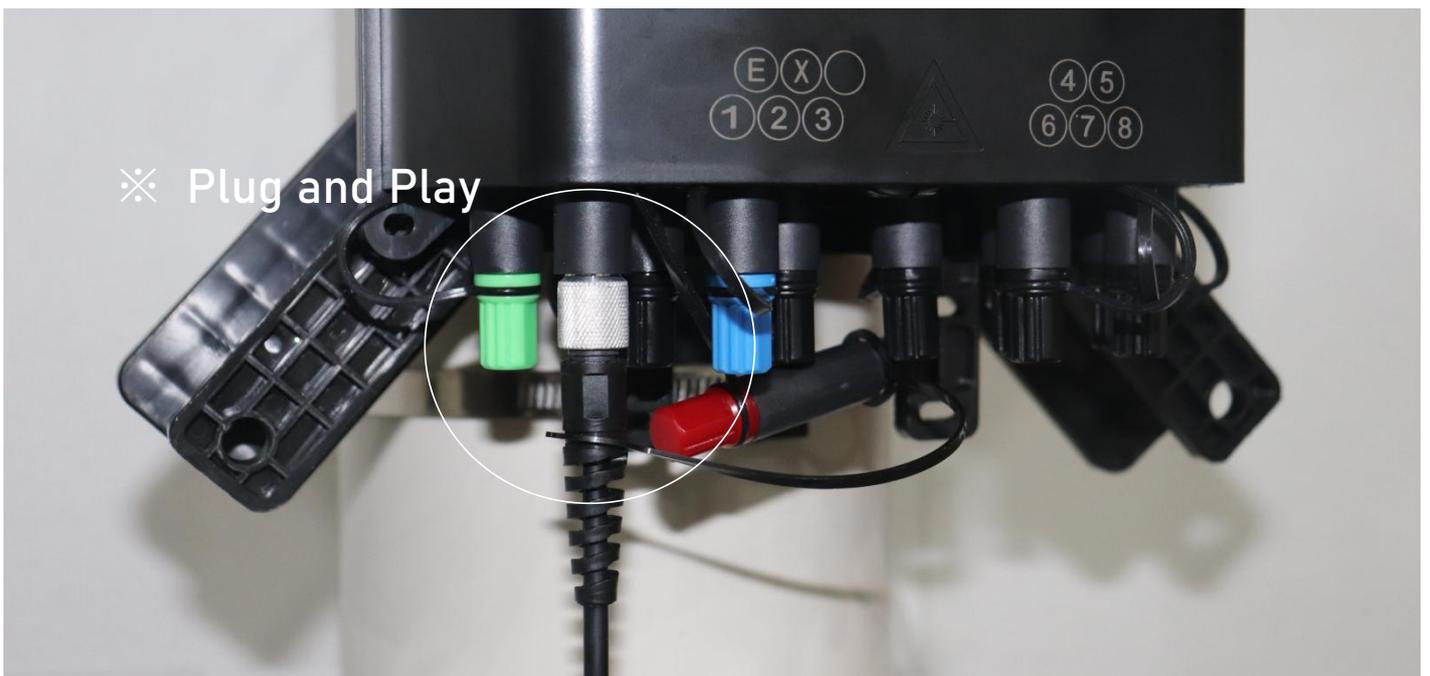
Cable 3.0mm Round Drop



Cable 2x5mm Flat Drop



Cable 2x3mm Flat Drop



Precon Cable Assembly

Fiberhome Drop Series

02



Cable 5.0mm Round Drop



Cable 3.0mm Round Drop



Cable 2x5mm Flat Drop



Cable 2x3mm Flat Drop



※Plug and Play



Precon Cable Assembly

02

Universal 2 IN 1 Translators Factory Assembly Cable



Optical Adapter Models



FastConnect



OptiTap



Regular SC/APC

Keyed Characteristics

- ✓ Consist of Connector and Translator, compatible for OptiTap and FastConnect solution;
- ✓ 100% Pre-terminated from factory with highly performance and reliability;
- ✓ Easy to expansion without quality degradation, no need to open the FAT box to activate new subscribers;
- ✓ Simple operation no special tools required;
- ✓ Suitable for both indoor and outdoor application;

Application

- ✓ FTTA Area;
- ✓ Compatible with Corning and Huawei Device;
- ✓ All IP67 waterproof applications.

Precon Cable Assembly

02

Universal 3 IN 1 Translators Factory Assembly Cable



Optical Adapter Models



FastConnect



OptiTap



Furukawa Slim

Keyed Characteristics

- ✓ Waterproof level: P67;
- ✓ Fast and simple "plug and play" connection;
- ✓ Fully compatible with the connector systems of Furukawa, Corning and Huawei;
- ✓ Easily mounted on the field optical connector, no required for any specific tools or devices;
- ✓ Low insert loss and high return loss;
- ✓ High mechanical strength performance.

Application

- ✓ FTTH;
- ✓ Outdoor FTTX Solution;
- ✓ Harsh Environment.

Waterproof Field Assembly Connector

02

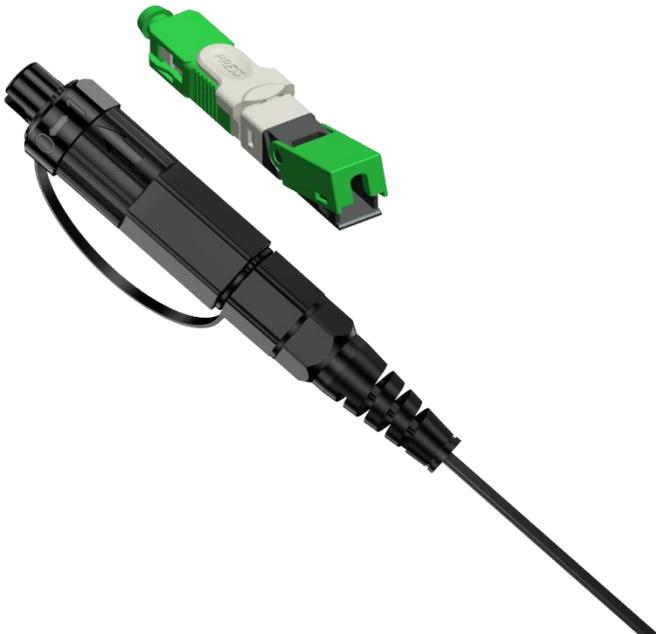
OptiTap Field Assembly Connector - for 2x3/2x5mm Flat Drop



Keyed Characteristics

- ✓ Waterproof level: IP68;
- ✓ Compatible with ESC250D, Sumitomo, Fujikura and Furukawa fast connector;
- ✓ Fully compatible with Corning System connection with Corning OptiTap harden adapter;
- ✓ Field installation, easily mounted on the field mount optical connector, don't need any specific tools or devices;
- ✓ Low insert loss and high return loss;

FastConnect Field Assembly Connector - for 2x3/2x5mm Flat Drop



Keyed Characteristics

- ✓ Waterproof level: IP68;
- ✓ Compatible with ESC250D, Sumitomo, Fujikura and Furukawa fast connector;
- ✓ Fully compatible with HUAWEI System connection with FastConnect harden adapter;
- ✓ Field installation, easily mounted on the field mount optical connector, don't need any specific tools or devices;
- ✓ Low insert loss and high return loss;

Waterproof Field Assembly Connector

02

Universal 3 IN 1 Field Assembly Connector - for 2x3/2x5mm Flat Drop



Keyed Characteristics

- ✓ Waterproof level: IP68;
- ✓ Inside loaded with NEATEL special small compact field optical connector;
- ✓ Fully interchangeable with OptiTap, FastConenct and Furukawa Slim solution;
- ✓ Field installation, easily mounted on the field mount optical connector, don't need any specific tools or devices;
- ✓ Low insert loss and high return loss;

Application

- ✓ FTTH;
- ✓ Outdoor FTTX Solution;
- ✓ Harsh Environment.

Waterproof Field Assembly Connector

02

SC Field Assembly Connector - for 2x3/2x5mm Flat Drop



Applications

- ✓ All fiber interconnection;
- ✓ Telecom Distribution and Local Area Networks;
- ✓ FTTH and FTTx;
- ✓ Passive optical networks [ATM, WDM, Ethernet];
- ✓ Broadband, Cable TV (CATV).

Keyed Characteristics

- ✓ Quick and easy fiber termination;
- ✓ Easy to deploy fiber solution;
- ✓ Low Insertion & Back Reflection.

Fiber Optic Splicing Solutions

03

NT600 - 6 motors core alignment fusion splicer



- ✓ 6 motors, real core alignment;
- ✓ Auto mode will automatically identify fiber type;
- ✓ 6s splicing, 16s heating;
- ✓ Designed for ultra trunk line, backbone, factory, 5G network, FTTX, MAN/LAN, CATV;
- ✓ Maximum up to 760X magnification;
- ✓ Battery capacity: 5400mAh, more than 300 times splicing and heating.



- ✓ 6s splicing, 16s heating;
- ✓ PAS core alignment;
- ✓ Designed for ISP & OSP;
- ✓ Small and portable;
- ✓ Maximum up to 760X magnification;
- ✓ Battery capacity: 4000mAh, 220 times splicing and heating.



- ✓ 1-12 cores ribbon fiber splicing;
- ✓ 16s splicing, 35s heating;
- ✓ Designed for ribbon fiber;
- ✓ Battery capacity: 5400mAh, 120 times splicing and heating.

Fiber Miller Stripper

03

3 Hole High-Quality Carbon Steel Fiber Optic Stripper with TPR Handle

High-carbon Steel



3 Holes



Large holes



Medium holes



Small holes

Fiber Optic End-Face Cleaner

03

2.5mm Universal Fiber Optic One Click Cleaner for FC, SC, ST Connector

NEATEL Trademark



FTTH Drop Cable Stripper

03

FTTH Drop Cable Stripper for Stripping Cable Jacket



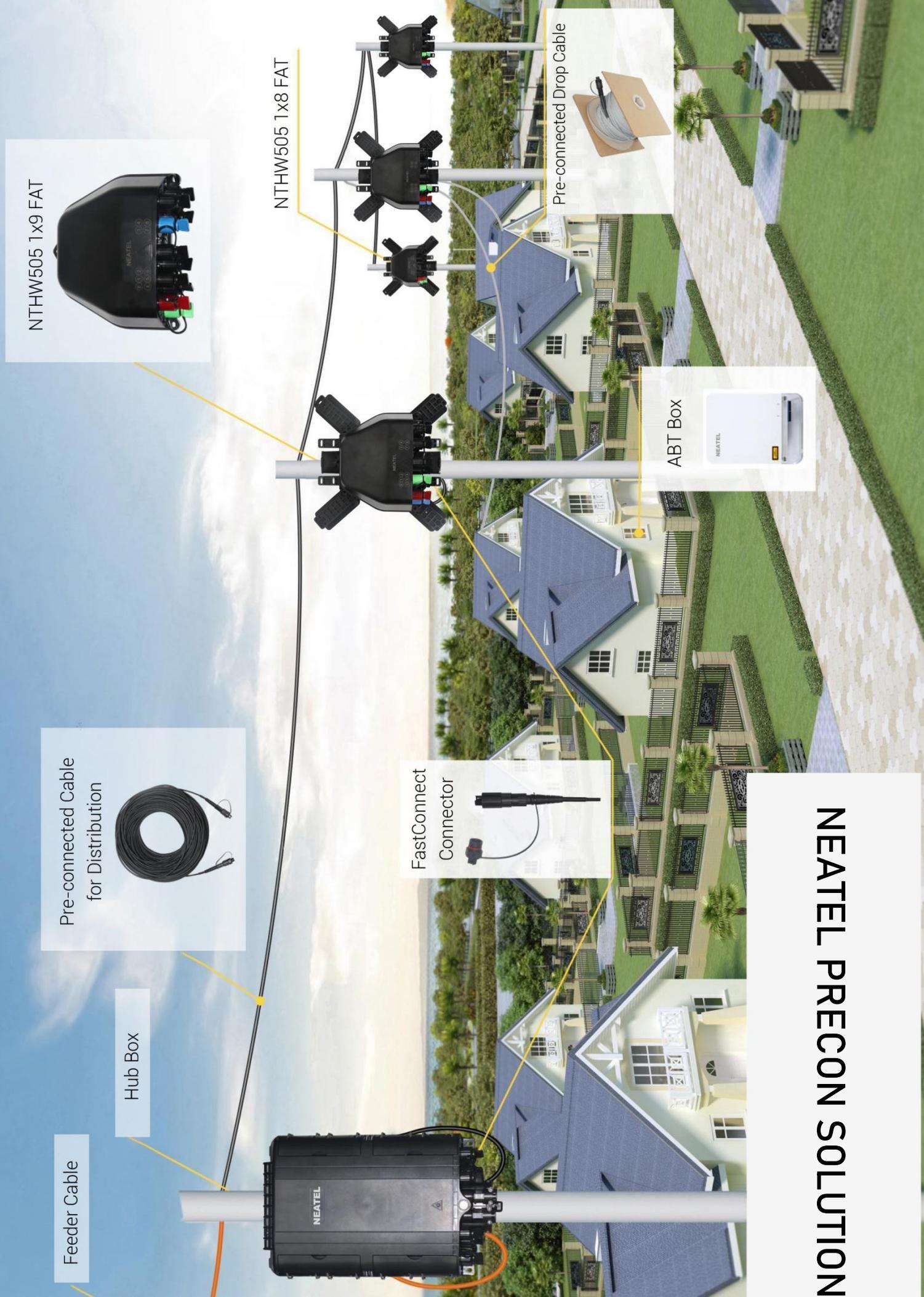
Description

The stripper is a practical tool for stripping the jacket and strengthening member of a FTTH indoor cable/ drop cable. With the developing of the FTTH(Fiber To The home) construction. With the tool, operator can easily remove both the outer jacket and the strengthening member without damaging the fibers.

Feature

- ✓ Universal Stripper for all types of FTTH drop cables;
- ✓ Made From Stainless Steel;
- ✓ Easy to use in field;
- ✓ Improve cable splicing efficiency;
- ✓ Super tiny design, much more portable;
- ✓ Suitable for both steel and kevlar strengthening member;
- ✓ Metal blade is more durable than ever before;
- ✓ High precision cable guide hole, special for FTTh indoor cable.

NEATEL PRECON SOLUTION



Feeder Cable

Hub Box

Pre-connected Cable for Distribution



NTHW505 1x8 FAT



Pre-connected Drop Cable



ABT Box



FastConnect Connector



NTHW505 1x9 FAT



NEATEL
SINCE 2012

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