

NEATEL
SINCE 2012



**FTTX Pre-connectorized
Solutions Professionals**
Carrier Networks Selection Solution

www.neatel.com

Feeder Cable

Hub Box

Pre-connected Cable
for Distribution

NTHW505 1x9
Un-balanced FAT

FastConnect
Connector

Pre-connected
Drop Cable

ABT Box

The uneven optical splitting solution is one of **NEATEL**'s global FTTH solutions. It supports cost-effective and fast network construction and applies to thick coverage and short access scenarios in low density areas.

NEATEL has many products for FTTx Solution

- Pre-connectorized Solution Speed up your fiber network

① *Lower cost*

② *Save time and labor*

③ *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

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• Preconn Hub Fiber Optical Distribution Box Series (IP68)

This kind of Pre-connectorized hub fiber optical distribution box as the most advanced FTTX network distribution node equipment, provide quick and reliable connection, good protection and management for the FTTX network.



48 Cores Fusion Splice 2 in 2 out
16 pre-connected adapters

Specifications	
Part No.	NTHB010
Splicing capacity	48, 4 PCS splice trays
Termination capacity	Max. 16 PCS hardened adapters
Splitter capacity	2 PCS 1:4 or 1 PCS 1:8
Dimensions (H x W x D; unit: mm)	333.5x210x110
Net weight (unit: kg)	1.2
Gross weight (unit: kg)	1.6



96 Cores Fusion Splice 2 in 2 out
16 pre-connected adapters

Specifications	
Part No.	NTHB016
Splicing capacity	96, 8 PCS splice trays
Termination capacity	Max. 16 PCS hardened adapters
Splitter capacity	4 PCS 1:4 or 2 PCS 1:8 or 1 PCS 1:16
Dimensions (H x W x D; unit: mm)	341x235x135
Net weight (unit: kg)	1.8
Gross weight (unit: kg)	2.3

• Preconn Fiber Access Terminal Box Series (IP68)

NEATEL's Fiber Termination Box provides a high density wall mounted or pole mounted solution for next generation networks, which aims to provide and manage fiber splitters in a limited space. It is designed for FTTH (Fiber to the Home) or FTTB (Fiber to the Building) with protective housing for all the passive fiber equipment installed inside.



Compatible Corning



Compatible Huawei

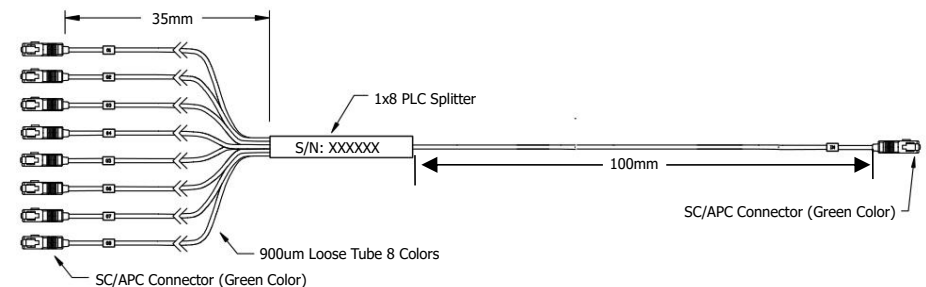
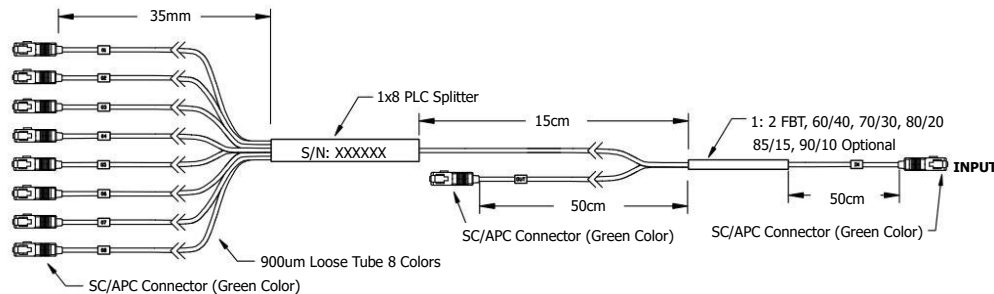


Compatible Furukawa



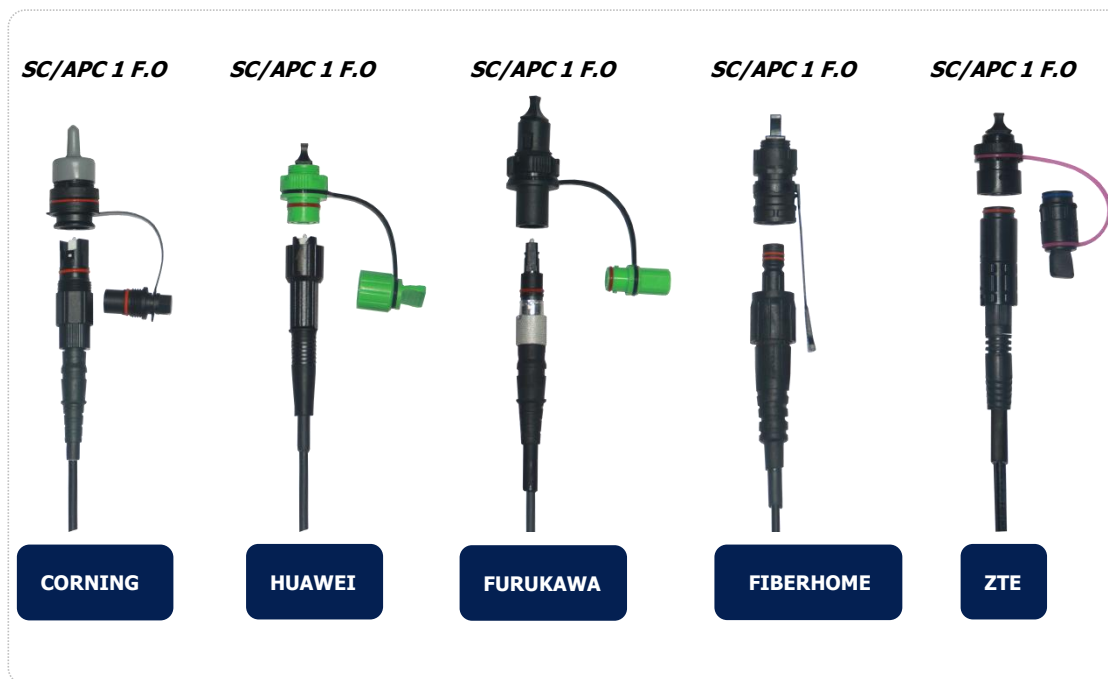
Compatible Fiberhome

• Drawing of PLC Splitter



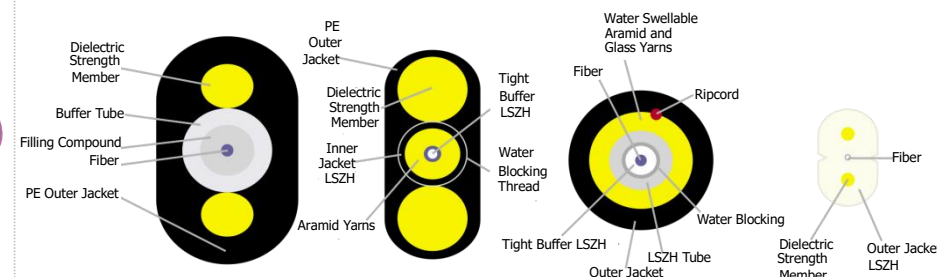
• Preconn Completely Hardened Drop Cable and Connectors Solution

NEATEL's hardened drop cables and connectors are environmentally robust to provide a reliable interface in the outside plant environment. Using hardened connectors simplifies installation and maintenance by reducing splicing requirements in the distribution portion of the network. The rugged optical connectors are hardened to protect against extreme temperature, moisture, UV, chemical exposure and other harsh conditions typically found in the outside plant.



* For more details please send inquires to sales@neatel.com

• Cable Overview



Type	A: Flat	B: Universal Flat	C: Round	D: Indoor mini-flat
Installation	In ducts	In ducts	In ducts	Indoor
	Direct buried	Direct buried	Aerial short span**	
	Aerial long span	Aerial long span** Indoor	Indoor	
Cable O.D	4.5 x 8.1mm	4.4 x 7.4mm (3mm inner)	5mm	2 x 3mm
Max tensile strength of cable	1300N	1200N	1200N	80N
Retention (cable/ connector/adaptor)	450N	450N	300N	80N
Fiber type	G652.D	G657. A2	G657. A2	G657. A1
Coated fiber diameter	250µm	900µm tight buffer	900µm semi-tight buffer	250µm
Jacket material	PE	PE (LSZH inner)	LSZH	LSZH
	UV-resistant	UV-resistant	UV-resistant	Low-friction

• NEATEL New Designed on Push Pull FTTH Drop Patch Cable with Divisible Connector

NEATEL's Push pull SC connector with divisible housing is the new version of the standard SC connector used in telecommunications technology for multiple fibre optic cable connections and disconnections. The novelty of the patented product is reduced, compared to the existing solution, dimensions of the internal ferrule body, which allows the installation of SC connector at subscriber's apartment, to which the fibre optic will be pulled or pushed through the pipes system or small holes. Connector with divisible housing allows the use of pipes and holes with a much smaller diameter than before. This is advantageous due to the reduction of installation costs. A significant feature is of the solution is that the SC connector with divisible housing can work with standard SC connectors and using standard SC adapters.



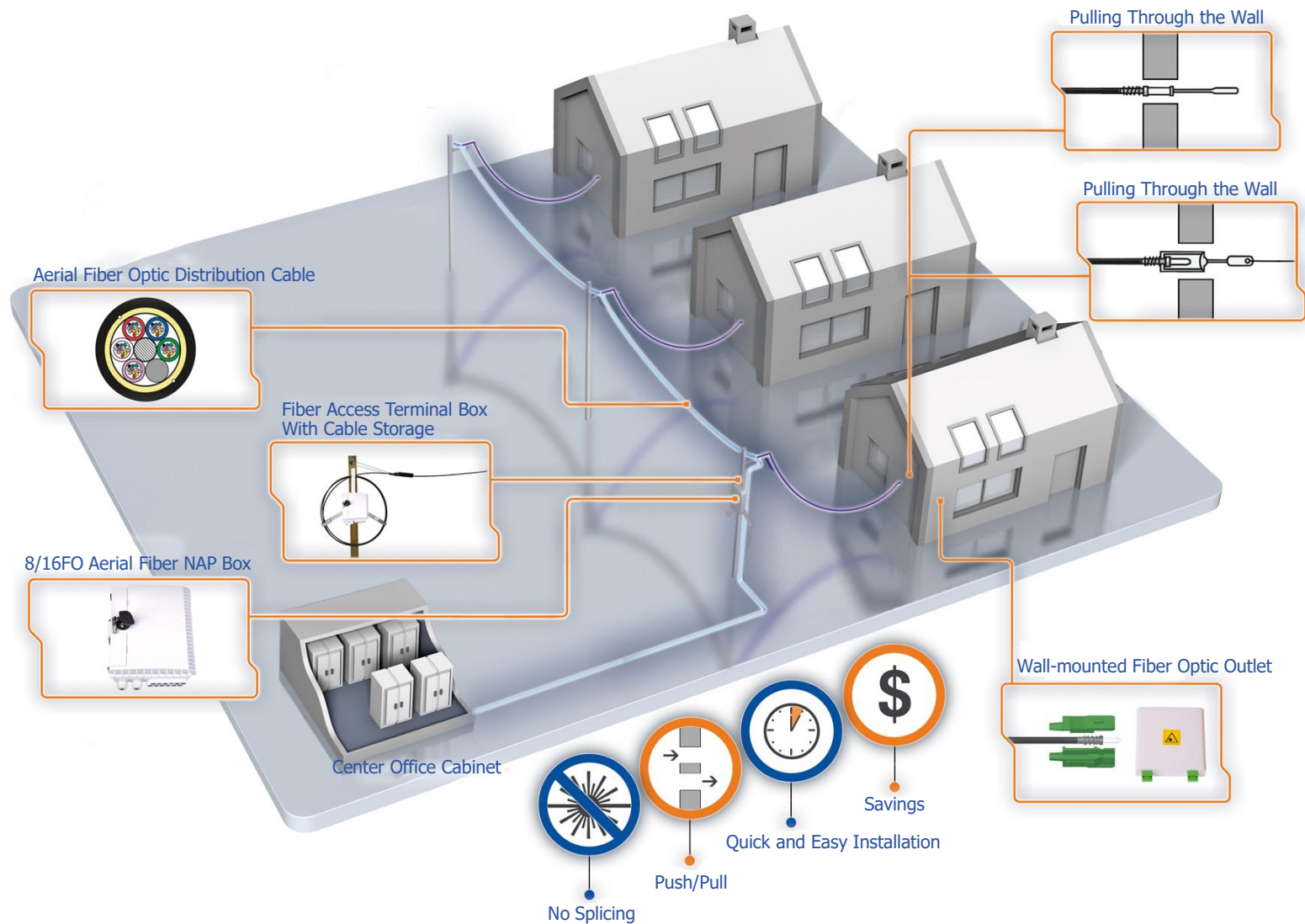
• Technical of Connector

Product name	PUSH PULL FTTH DROP PATCHCORD WITH DIVISIBLE CONNECTOR
Standard Connector	TIA / EIA 604-3 (SC)
Capacity Ports	1FO, Simplex
Polish Type	APC & UPC
Insertion Loss (dB)	0.30
Return Loss (dB)	≥ 50dB UPC, ≥ 60dB APC
Tensile Strength (N)	100
Operating Temperature (°C)	-40 ~ +75
Length	10, 15, 20, 25, 30, 35, 40mtrs

Technical of Connector

Cable Type	Round
Fiber Type	SM (G657A1, G657A2, G657B3)
Cable OD	3.0mm
Outer Jacket	Black or Grey
Outer Sheath thickness (mm)	0.4
Outer Sheath	LSZH, UV resistant, TPU
Unit Weight (kg/km)	8
Maximum Tensile Strength (N)	1000
Bending Radius	20 x outer cable diameter
Operating Temperature (°C)	-40 ~ +70

• Push-Pull Patchcord Installation Instruction



• 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



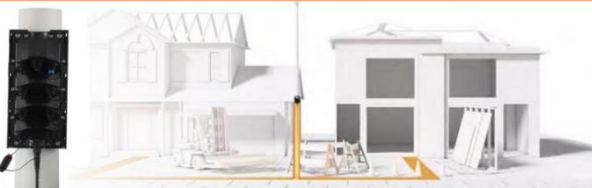
FastNet Optical Tap Terminals

- 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



FastNet System Neatel Hardened
OptiTap SC Preconn Single Connector

• A complete NEATEL FTTH Fiber Field Assembly Optical Connectors

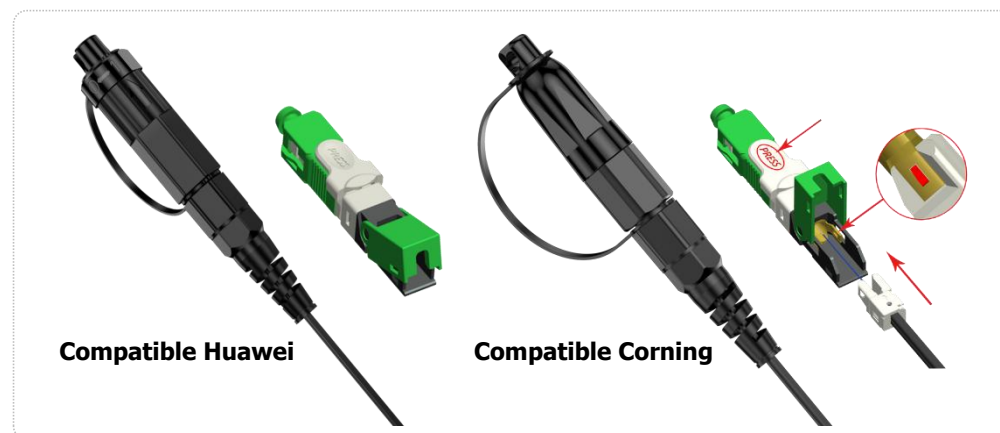
The Field Assembly Connector series are already a popular solution for optical wiring inside buildings and floors for LAN & CCTV applications and with the expansion of FTTH, is already proving itself to be the connector of choice by incumbents, municipalities, utilities & alternative carriers. Our Field Assembly Optical Connector series are now available in SC, LC, or FC variants, catering for 250um to 900um, and 2.0mm, 3.0mm diameter single mode and multimode fiber types, including Multi-mode 62.5/125um and Multi-mode 50/125um. The single-mode versions are available with UPC or APC ferrules.

Features

- Comply with TIA/EIA and IEC;
- Quick and easy fiber termination;
- Easy to deploy fiber solution;
- Low Insertion & Back Reflection;
- No special tools required.

Applications

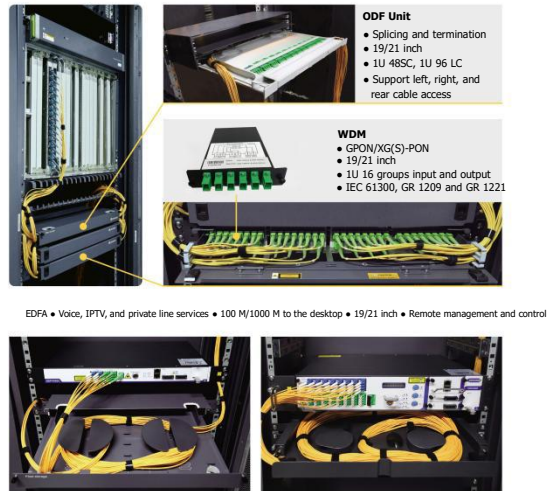
- All fiber interconnection;
- Telecom Distribution and Local Area Networks;
- FTTH and FTTx;
- Passive optical networks [ATM, WDM, Ethernet];
- Broadband, Cable TV (CATV).



Products *for Economical FTTx Preconn Deployment Demand*

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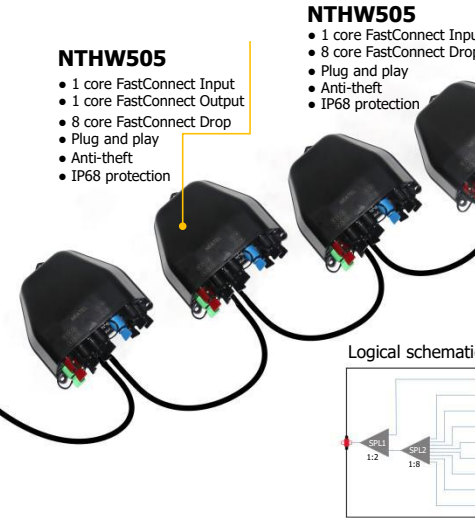
Center Office



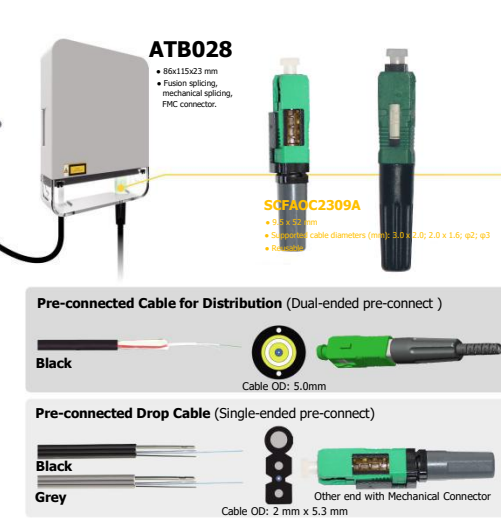
Outdoor SSC & Hub Box



Uneven FAT



Optical Components



OLT

ODF

SSC

Hub Box

1:2(70/30)

1:2(70/30)

1:2(70/30)

ATB

ONT

For this reason, we are here
Are you **NEATEL** Connected today?



3 IN 1

Field Assembly Harden Connector

Application:

- Flat drop on 2.0 x 3.0mm and 2.0 x 5.0mm
- Round drop on 3.0mm, 5.0mm



COMPANY

We as a manufacturer specialized in providing products and technical solutions for global telecom operators. We have been engaged in the optical fiber communication industry for 10 years. We have more than 200 professional engineering sales staffs, R&D Dept, and production workers. With our rich market Experience and mature production technology have provided services to hundreds of different groups of customers. The company main products are Optical Fiber Terminal Boxes, Cabinets, Fiber Optic Patch Cables, Field Assembly Optical Connectors, Optical Adapters, FTTX preconnectoized NAP Boxes, Precon Cables and other optical passive components. Pursuing product research and development and focusing on product quality, serving every sincere customer is our business philosophy. In-depth cooperation to achieve a win-win situation! Our products and technologies can be used in communications, data centers, broadcast television, test and measurement, military and other fields.



Company Reception



Injection Mold



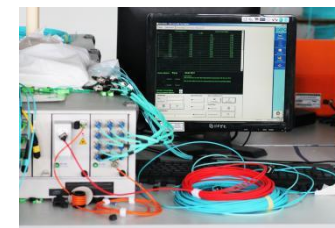
PRECONN NAP Box Assembly



R & D Dept.



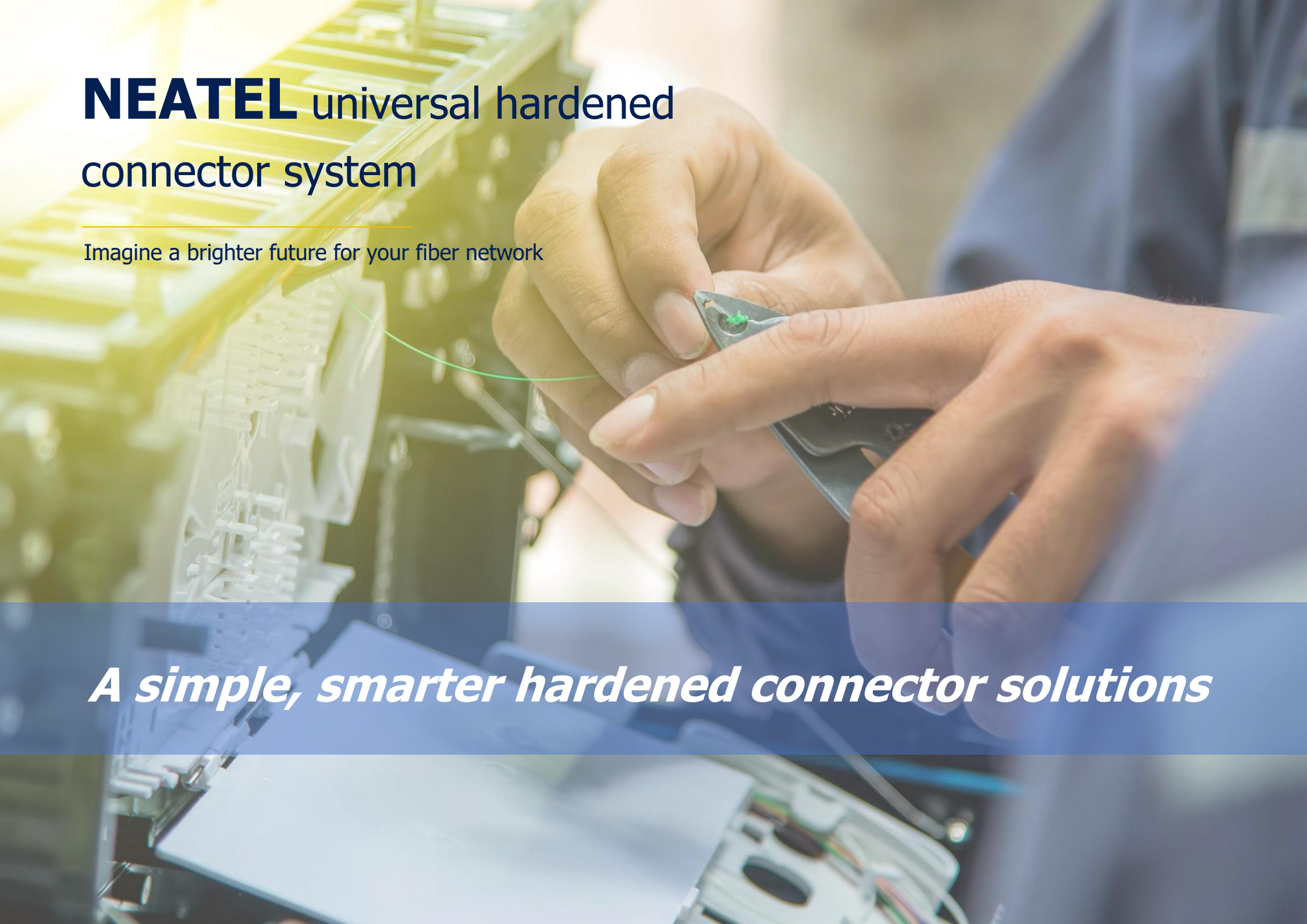
Cable Assembly



Testing Lab



**Worldwide Fiber Connect
Enjoy the Future**



NEATEL universal hardened connector system

Imagine a brighter future for your fiber network

A simple, smarter hardened connector solutions



Notice

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NEATEL OPTICAL COMMUNICATION CO.,LTD

Headquarter - Zhejiang

Add: No.51, Putuoshan Rd, Daqi Beilun, Ningbo, Zhejiang Province, China 315800

Branch Office - Shenzhen

Add: No.812, Zhuangyu Business Building, Songgang Str, Baoan Zone, Shenzhen 518105, China

Tel: +86.574.8613.6480

Fax: +86.574.8613.3385

Mob: +86.135.4428.9665

E-mail: sales@neatel.com

Web: www.neatel.com

