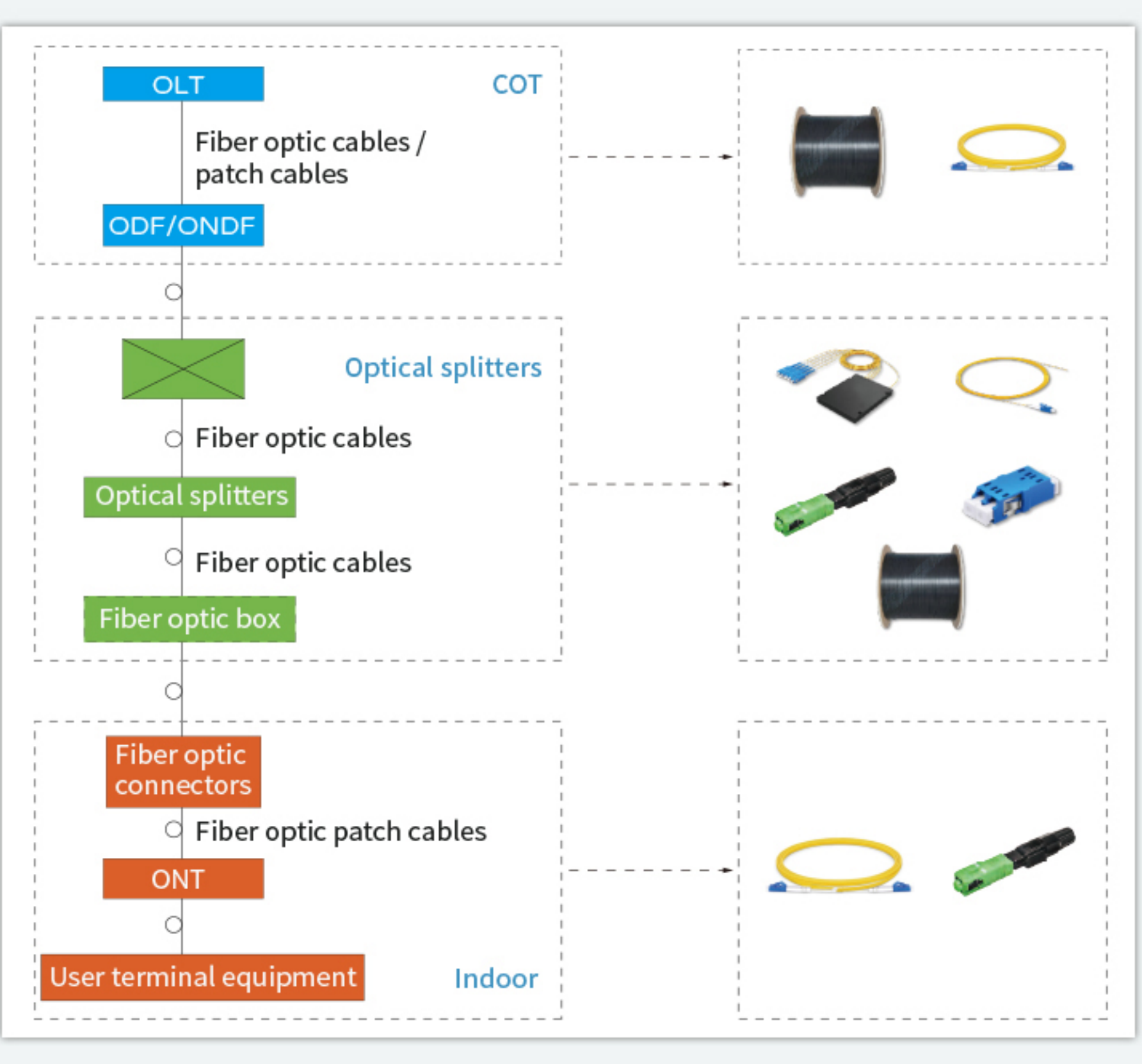
GigaLight

GIGALIGHT Marketing Report Special Issue on Passive Optical Components

2022 Q4 Vol.10

ODN Architecture

For access network FTTx ODN applications, GIGALIGHT provides a full range of cost-effective passive optical component products, covering every node from OLT to ONT, including optical splitters, fiber optic patch cables, fiber optic pigtails, fiber optic adapters, fast connectors and fiber optic cables. After 10 years of iterative product development, GIGALIGHT's ODN products have been sold globally with stable quality and reliability, especially suitable for relatively harsh working scenarios and environments such as power grids or broadcast radio and television. In the wave of next-generation 5G network construction, we believe that choosing GIGALIGHT's ODN products can greatly save customers' operation and maintenance costs.



Product Display

One-stop Service | Customizable | High Quality | Fast Delivery

Optical Splitters

PLC Splitters

Bare Fiber

1x8
w/o connectors
1-meter 250um bare fiber

Mini Module

1x8
SC/APC
1-meter 900um loose tube

ABS Box

1x4
SC/UPC
1-meter 900um loose tube

LGX Cassette

1x4
SC/UPC

Rack Mount

1x32
SC/APC

Blade Module

1x8
SC/APC

Wall Mount

1x8
SC/APC

Highlights
- High-quality materials
- Low IL
- Good channel uniformity
- Low PDL
- Low WDL
- Low TDL
- High RL
- High reliability and stability
- 1xN or 2xN port configuration

PM PLC Splitters

1x4
SC/UPC
1-meter 900um loose tube

Highlights
- PANDA polarization maintaining fiber
- High extinction ratio
- PANDA typeI, II, III, or IV
- Compact ABS box and other packages optional

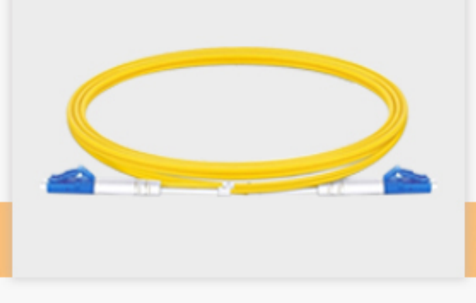
FBT Couplers

1x2 SM dual-window FBT coupler
50:50 1-meter 900um loose tube SC/UPC pigtail

Highlights
- 1x2 port configuration
- 1310/1550nm single mode dual window
- Low IL, Low PDL, Low additional loss
- High reliability and stability
- Customized coupling ratio
- Customized fiber and connectors

Fiber Optic Patch Cables

Fiber Optic Patch Cables



Highlights
- High tension and flexibility, strong and durable
- Low bending radius and high strength bending insensitive fiber optic cable
- Pre-terminated high-quality connectors for easy installation and maintenance
- Customized fiber and connectors

LC, SC, ST, FC | UPC, APC | Simplex, Duplex

Fiber Optic Pigtails

Fiber Optic Pigtails

Highlights
- High tension and flexibility, strong and durable
- Low bending radius and high strength bending insensitive fiber optic cable
- Pre-terminated high-quality connectors for easy installation and maintenance
- Customized fiber and connectors

LC, SC, ST, FC | UPC, APC

Fiber Optic Adapters

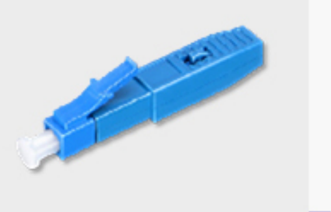
Fiber Optic Adapters

Highlights
- High-quality materials with ultra-high stability
- Strictly manufactured in accordance with international standards

LC, SC, ST, FC | UPC, APC | Simplex, Duplex

Fast Connectors

Fast Connectors



LC, SC | UPC, APC

Highlights
- Small size and easy to carry
- Simple and fast installation with 100s average stitching time and high success rate
- Directly connected to ONU without any optical sockets to reduce FTTx costs
- Precision ceramic components with coaxial auto-centering function and excellent durable optical performance
- Fiber axially fixed in a flexible manner to completely avoid any wrong connection
- Can be used as a jumper by triple-clamping through bare fiber, tight buffer layer and optical cable, etc.
- High online tensile strength (greater than 100N), no other protection needed
- Integrated protection of the shell can withstand harsh user environment

Fiber Optic Cables

Fiber Optic Cables

Outdoor Cables
- Direct Buried
- Duct
- Aerial
- Waterproof

Indoor Cables
- Vertical Cabling
- Horizontal Cabling
- Equipment interconnection

Indoor, Outdoor | Single Core, Double Core | 50m, 100m, 150m, 200m, 300m, 500m, 1000m | 2000m, 3000m

*If you are interested in our products or solutions, please reply to the email directly to explain your needs, and our sales manager will get in touch with you as soon as possible!

GigaLight

Open Optical Network Device Explorer