CE KOTRA INNOBIZ COMPANY AS 9100, UKAS RoHS Compliance ISO9001

DATA CENTER SOLUTIONS

DATA CENTER CABLING

FOSTEC

HEAD OFFICE

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FOSTEC
Fiber Optic Specializing Company

FOSTEC is one of the
Leading Companies in Optical
Communication Field.

Optical Communications Specialist

Fiber Optic

DATA COMMUNICATIONS
- Fiber Optic Patch Cords
- Fiber Optic Connectors
- Fiber Optic Splitters

NETWORK COMMUNICATIONS
- FTTX
- High-Speed Internet
- Smart Phones Transmission System

BROADCASTING SYSTEM
- HDTV PROJECT
   Optical Power Cable
   Optical Power Connector

DEFENSE INDUSTRY
- Information and Communication
   Network Transmission System
   Optical Power Cable(D38999)
   Non-Contact/Contact
   Connector(D38999)
   Other Cable Assemblies

FOSTEC INC. is a South Korea Manufacturer of Optical Fiber Components, Cables and Equipment.

Established in 2001, FOSTEC is advancing into the optical communication market in 30 countries around the word as well as in Korea.

With excellent quality,low prices, and services optimized for customer needs, it is continuously loved by customers in the United States, Japan, Europe, the Middle East and South America.

Fiber Optics Technology

Such as Optical Connectors, Patch Cords, Expanded Beam Connectors,
Silicon Photonics for High-Speed Internet Data Centers.
FOSTEC provides customer satisfaction & high quality standard products.

CONTENTS

MPO/MTP FIBER OPTIC PATCH CORDS

MPO/MTP Optical Patchcords are used for direct connection to optical modules of 40G QSFP + SR4, 40G QSFP + CSR4 and 100G QSFP28 SR or for high-density Data Centers.

SM 12C MPO(Female)-MPO(Female) 3.0mm

OM3 12C MPO(Female)-MPO(Female) 3.0mm

OM4 12C MPO(Female)-MPO(Female) 3.0mm

OM3 8C MPO(Male)-LC 0.9mm

OM3 8C MPO(Female)-LC 2.0mm

SM 8C MPO(Female)-LC 2.0mm

PRODUCT FEATURES:

-Selections: OS2, OM3, OM4, OM5

-High Quality: After production and inspection according to exact standards
-Saving Cable Installation Space: Efficient use of data center space due to the very small diameter of MPO/MTP Patch Cables
-Time Saving: Plug and Play Design, enhancements that greatly reduce installation time
-Improve network performance by guaranteeing stable optical characteristics

-Optimized for data centers with 40GbE and 100GbE

-Outer jacket: PVC, LSZH and others

-Cable Flame Retardant Rating: OFNR, OFNP, LSZH

PRODUCT SPECIFICATIONS:

ITEM	SINGLE MODE(APC)	MULTIMODE (PC)
INSERTION LOSS (MPO)	LOW LOSS ≤0.35dB	LOW LOSS ≤0.35
	STANDARD LOSS ≤0.75dB	STANDARD LOSS ≤0.6dB
RETURN LOSS (MPO)	≥60dB	≥30dB
WAVELENGTH	1310/1550nm	850/1300 nm
40/100G ETHERNET DISTANCE		OM3 100m / OM4 150m
10G ETHERNET DISTANCE		OM3 300m / OM4 400m
DURABILITY	COMBINED OVER 500 ITERATIONS	
OPERATING TEMPERATURE	-10 ~ + 70 °C	
STORAGE TEMPERATURE	-40 ~ + 85 °C	

MPO/MTP PATCH CORD ORDER INFORMATION

OPC — ▪ — ▪ — ▪ — ▪ / ▪ — ▪

Optical Patch cord	Fiber Type	FIBER COUNT	Cable Type	Connector Type (Side A)	Polishing Grade
	2=SM(G652D)	B=8C	X=Ribbon-Jacket	1=MPO(Male)	1=PC
	7=SM(G657A)	A=12C	Y=Bare Ribbon	2=MPO(Female)	2=APC
	A=OM1(62.5/125)	B=24C	Z=Round		
	B=OM2(50/125)	C=36C			
	C=OM3(50/125)	D=48C			
	D=OM4(50/125)				
	P=PM				

Housing Color	Connector Type (Side B)	Polishing Type	Cable Length (m)	Fan out Length (m)	Polarity
1=Blue	1=MPO(Male)	1=PC	1=1m	0A=0.1m	A=Polarity A
2=Green	2=MPO(Female)	2=APC	2=2m	0B=0.2m	B=Polarity B
3=Gray	3=LC		-	0C=0.3m	C=Polarity C
H=Aqua	4=SC		-	-	
	5=Other		2A=2.1m	-	
			2B=2.2m	-	
				-	
				1=1m	
				2=2m	

UNIBOOT LC PATCH CORD

The Uniboot LC patch cord reduces cable space by up to 68% compared to
Standard Patch Cords by using a special "double circular" cable with 2 cores within a single cable.

APPLICATION FIELD:
- QSP
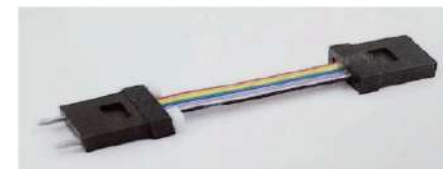- Optical Transceiver Module
- Super Computer
- Data Center

PRODUCT FEATURES:
- Can be used in high-density environments
- Use of high-quality parts
- Tough and durable fire retardant jacket
- Stable Optical Properties

PRODUCT SPECIFICATIONS

CONNECTOR	Uniboot LC	FIBER OPTICS	OS2,OM1,OM2,OM3,OM4
CABLE JACKET	2.0mm / 3.0mm, PVC / LSZH	NO. OF CORES	2 core
INSERTION LOSS	0.3dB	RETURN LOSS	SM APC ≥ 60dB
			SM UPC ≥ 50dB
			MM PC ≥ 35dB
TENSILE FORCE	100N	DURABILITY	1000 회 반복 결합

MT-MT ASSEMBLY

APPLICATIONS:
- QSP
- Optical Transceiver Module
- Super Computer
- Data Center

PRODUCT FEATURES:
- Complies with GR 14353, GR-1221 standards
- Transfer rate: 40Gbps/ 100Gbps
- High Precision
- Customized order production possible

PRODUCT SPECIFICATION

DIVISION	SM	MM	UNIT
INSERTION LOSS	0.5	0.35	dB
RETURN LOSS	60	20	dB
CORE DIAMETER	9	50	um
DURABILITY	200		회
FIBER OPTIC TYPE	G652,G657,PM	OM1~OM5	
OPERATING TEMPERATURE	-20 ~ +70		℃

FIBER ARRAY SERIES

FIBER ARRAY STANDARD   **PM FIBER ARRAY**   **MT-FA**

PRODUCT FEATURES:
- Low insertion loss and high reliability
- Excellent accuracy of optical fiber
  core position
- High number of channels (2~4ch)
  and various pitch intervals

APPLICATION:
- SIlicon Photonics
- Data Center

Fiber Optic Patch Panel

Maximize space utilization by managing the termination of optical fibers.Efficient use of system space for high-density patches to minimize floor space, quick installation and installation, and guarantee the highest safety with the lowest design cost.

1U UHD MPO/MTP-LC 96 Fiber Optic Patch Panel

The 1U UHD MPO/ MTP-LC patch panel is made of cold-rolled steel sheet and accommodates up to 4 HD MPO/ MTP-LC / SC cassettes for a 19" rack mount cabinet.

FHD 96 Fibers MPO/MTP-LC Fiber Optic Patch Panel

FHD 96 Fibers High Density 96 Fibers- Designed to 1U 19 inch breakout patch panel back mapped and then split 48 x 10G from the front panel using LC fiber cables.

3U UHD MTP-LC 288F Fiber Optic Patch Panel

3U UHD MPO/ MTP-LC 288F patch panel is made of cold rolled steel plate and designed for 19 inch rack mount cabinet. Accommodates up to 12 HD MPO/MTP-LC/ SC cassettes.

LX Cassette Module

LGX Cassette Modules are equipped with MPO and LC adapters on both ends for high-density fiber patching in data centers to save space and solve cable management problems.

Fiber Optic Loop back Module

The MPO loopback module provides loop signals to test transmit and receive functions within 40G and 100G networks.

8 Fibers MPO Fiber Optic Loopback Module

8F MPO fiber optic loopback module is a necessary product for verifying and testing transceivers for MPO interfaces (40G BASE-SR4/CSR4 QSFP+ devices)

12 Fibers MPO Fiber Optic Loopback Module

The 12F MPO fiber loopback module is a necessary product for testing and verifying transceivers for MPO interfaces (40G BASE-SR4 QSFP+ or 100G BASE-SR4 devices)

24 Fibers MPO Fiber Optic Loopback Module

The 24F MPO fiber loopback module is a necessary product for verifying and testing transceivers for MPO interfaces (100G BASE-SR10 CXP/CFP devices).
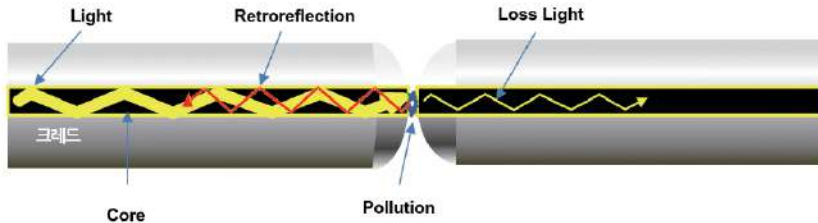
Fiber Optic Adaptor

SC

LC

CONNECTOR CLEANER (PEN CLEANER)

Effective product for removing foreign matter from the cross section of optical jumper cords and inside optical adapters

Light   Retroreflection   Loss Light

크레드

Core   Pollution

PRODUCT FEATURES:

- Low Cost
- Eco-friendly and safe because it can be used without alcohol
- Effective in removing various contaminants including dust and oil
- Ergonomic and ONE CLICK to keep clean
- Removes small contamination without damaging the core by using microfiber
- Convenient to carry

PRODUCT SPECIFICATION:

- Standard: 1.25mm (ver.2) - 1000 times
- P/N: 1TL01PE-12-005
- Applicable connector: LC/MU
- Size: 200x26x26mm
- 1000 + times cleaning per unit

- Standard: 2.25mm (ver.2) - 1000 times
- P/N: 1TL01PE-25-005
- Applicable connectors: SC/FC/ST/E2000
- Size: 200x26x26mm
- 1000 + times cleaning per unit

- Standard: MPO- 500 times
- P/N: 1TL01PE-MP-001
- Applicable connector: MPO/MTP
- Size: 225x66x30mm
- 500 + times cleaning per unit

MICROSCOPE SET

Inspection set that checks the cross section of the closed rule for optical communication on the screen and removes foreign substances such as dust and oil from the end surface of the closed roll with a single click after inspection.

Before Cleaning

After Cleaning

SPECIFICATION

L×W×H(cm)	29.40×4.32×17.78
Weight	0.3 lb./0.14 kg
Camera Type	0.33inch CCD
Video Output	PAL/NTSC USD2.0
Light Source	Blue LED, 100,000+hrs life

LCD DISPLAY

Dimensions	(3.7"±W)×(4.17±H)×(1.32±D)
Weight	0.92 lb./0.42 kg
Video Display	3.5"±TFT Active Matrix×2.2million pixels
Power Source	Input AC, Output 110-240 V DC, 12.6V
Working Time	Continuous Working Time>8hrs
Charging Time	4hrs

FUSION SPLICER (FS-17S)

Equipment that connects optical fibers, which is necessary for installing new optical cables or for maintenance. Shorter construction time with quick access and heating time.

PRODUCT FEATURES:

- Cladding alignment method, ultra-low power consumption
- Fusion splicing time: 7 seconds, sleeve heating time: 18 seconds
- 320x magnification image, shortest optical fiber cutting length (5mm) fusion splicing
- 300 optical fusion splicing modes, 100 heating modes
- 10,000 times of fusion splicing
- Bi-directional fusion splicing possible, automatic fusion splicing possible
- USB, SD Card interface, automatic software upgrade via USB
- Modular lithium battery, fusion splicing and sleeve heating connection possible at least 220 times

FUSION SPLICER (FS-21S)

Equipment that connects optical fibers, which is necessary for new installation of optical cables or maintenance.

PRODUCT FEATURES:

- Accurate core-to-core alignment method (6 motors)
- Automatic identification of optical fiber type (SM/MM)
- Fusion splicing time: 6 seconds, sleeve heating time: 16 seconds
- 250x magnification image, shortest optical fiber cutting length (16mm) fusion splicing
- Automatic and real-time ARC correction
- Bi-directional fusion splicing possible, automatic fusion splicing possible
- Modular lithium battery, fusion splicing and sleeve heating connection possible at least 300 times
- Real-time heating temperature monitoring

Convenient GI & Touchscreen!

Excellent waterproof, dustproof, anti-repellent function

High Capacity Lithium Battery
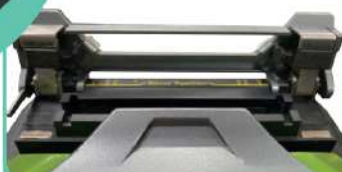
Intelligent Heat Shrink

Convenient Graphical Interface

Excellent waterproof, dustproof, anti-repellent function

High Capacity Lithium Battery

Preheating and automatic heating function