



DatoLink

Connectivity solution

# Datolink Ltd

—— Fiber optical connectivity solution



[www.datolink.com](http://www.datolink.com)



# Fiber optical patch cords



LC-UPC



SC-APC



ST-UPC



LC-APC



ST-OM3-DX



SC-MU-SM-SX



FC/APC-SC/APC



SC/UPC OM3 DX



LC-SC MM OM3 DX



LC-SC MM DX



MTRJ MM DX



LC-SC OM4 DX



SC/UPC Connector



LC/UPC Connector



FC/UPC Connector



ST/UPC Connector



FC/APC Connector



SC/APC Connector

## Specifications

	Singlemode	Multimode
Insert Loss	$\leq 0.20\text{dB}$	$\leq 0.25\text{dB}$
Return Loss	$\geq 50\text{ dB (PC)}$	
	$\geq 55\text{ dB (UPC)}$	
	$\geq 65\text{ dB (APC)}$	
Durability	$< 0.20\text{ dB typical change, 1000 mating}$	
Operating Temperature	From $-40$ to $+80^{\circ}\text{C}$	From $-40$ to $+80^{\circ}\text{C}$
Ferrule Hole Sizes	$125.0 \pm 1/-0\mu\text{m}$ , Concentricity: $\leq 1.0\mu\text{m}$	$125\mu\text{m}$ , Concentricity: $1 \leq 3\mu\text{m}$
	$125.5 \pm 1/-0\mu\text{m}$ , Concentricity: $\leq 1.0\mu\text{m}$	$127\mu\text{m}$ , Concentricity: $1 \leq 3\mu\text{m}$
	$126.0 \pm 1/-0\mu\text{m}$ , Concentricity: $\leq 1.0\mu\text{m}$	$128\mu\text{m}$ , Concentricity: $1 \leq 3\mu\text{m}$

# Fiber optical customized patch cords



Armored patch cord



Mode conditioning patch cord



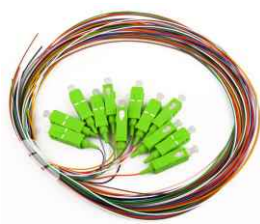
Drop cable patch cord



Outdoor patch cord



Mode conditioning patch cord



12 colored Pigtail



ST/APC Patch cord



Flat cable Patch cord



PDLC Patch cord



OTDR Launch cable



Pulling eye Patch cord



G657B3 Patch cord



DIN Patch cord



RED BLACK Boot Patch cord

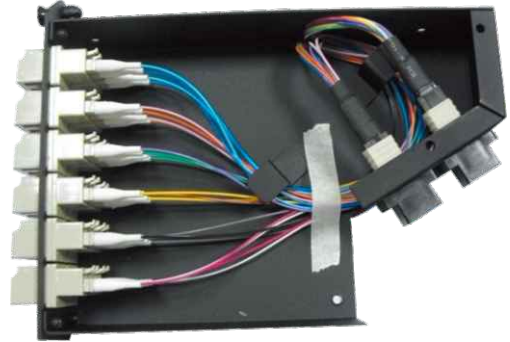


Waterproof Pigtail

# Fiber optical MPO Series



MPO ODF



MPO Cossette



MPO Connector



MPO- LC, MM Patch cord



MPO- LC, SM Patch cord



MPO Loopback



MPO-LC Fan out OM3 Patch cord



MPO-MPO SM Patch cord



MPO Adaptor



MPO Fan out



MPO-MPO OM3 Patch cord

# Fiber optical Adaptor / Attenuator



LC/UPC-SM-DX Adaptor



LC/UPC-MM-DX Adaptor



LC/APC-SM-DX Adaptor



LC/UPC-OM3-DX Adaptor



LC/UPC-OM4-DX Adaptor



LC/UPC-SM-SX Adaptor



LC/UPC-MM-DX Adaptor



LC/APC-SM-DX Adaptor



LC/UPC-OM3-Quad Adaptor



LC/UPC-OM4-Quad Adaptor



SC/UPC-SM-SX Adaptor



SC/UPC-MM-SX Adaptor



SC/APC-SM-DX Adaptor



SC/UPC-OM3-DX Adaptor



SC/UPC-OM4-DX Adaptor



ST/UPC-MM-SX Adaptor



ST/UPC-SM-SX Adaptor



ST/UPC-SM-DX Adaptor



ST/UPC-MM-DX Adaptor



ST/UPC-MM-SX Adaptor



FC/UPC-SM-SX BIG D Adaptor



FC/UPC-SM-SX Adaptor



FC/UPC-SM-SX SMALL D Adaptor



FC/UPC-SM-SX Adaptor



FC/APC-SM-DX Adaptor



FC(F)-ST(F)



FC(M)-LC(F)



FC(M)-MU(F)



LC(M)-SC(F)



SC(M)-LC(F)



MU Attenuator



SC/APC Attenuator



FC/PC Attenuator



LC/PC Attenuator



ST/PC Attenuator

# Fiber optical Fast connector



**LC Fast connector**



**ST Fast connector**



**FC Fast connector**



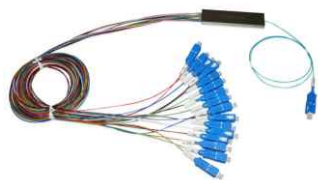
**SC Fast connector**



**SC Fast connector Drop cable**

ITEM	Technical Parameters
Applicable for	2mm/3mm cable, 3.1x2mm drop cable
Optical fiber diameter	125m ( 652 & 657 )
Tight buffer diameter (m)	900m
Fiber mode	Single & multi mode
Operation time	About 120s ( no fiber cut )
Insert loss	$\leq 0.3\text{dB}$ (1310nm & 1550nm)
Return loss	$\leq -40\text{dB}$
Fastening strength of naked fiber	$>5\text{ N}$
Fastening strength of naked fiber holder	$>10\text{ N}$
Tensile strength	$>50\text{ N}$
Using temperature	$-40\sim+75^{\circ}\text{C}$
On-line tensile strength (20 N)	$\text{IL} \leq 0.2\text{dB}$ $\text{RL} \leq 5\text{dB}$
Mechanical durability (500 times)	$\text{IL} \leq 0.2\text{dB}$ $\text{RL} \leq 5\text{dB}$
Drop-off test (drop-off height 4m, once per direction, totally 3 times)	$\text{IL} \leq 0.2\text{dB}$ $\text{RL} \leq 5\text{dB}$

# Fused type splitter & PLC splitter



Datalink Standard Single Mode Couplers are high quality components designed to divide or combine optical signal in optical fiber system. These devices are fabricated by using the fused biconical taper (FBT) process and are reliable over wide range of temperature. The operating wavelength is 1310nm or 1550nm and the pass band is 80nm. The coupling ratio can change from 1:99 to 50:50. Various packagings and pigtail configurations can satisfy our customers' requirements.

## Features:

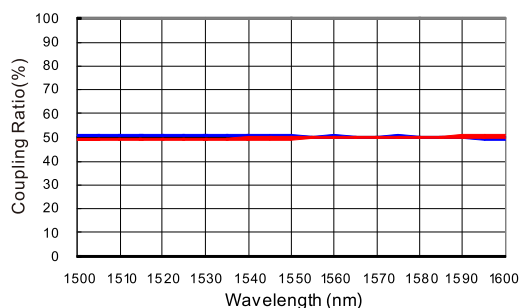
- Low insertion loss
- Low excess loss
- Low PDL
- High directivity
- Long haul reliability
- Customer defined specifications

## Application:

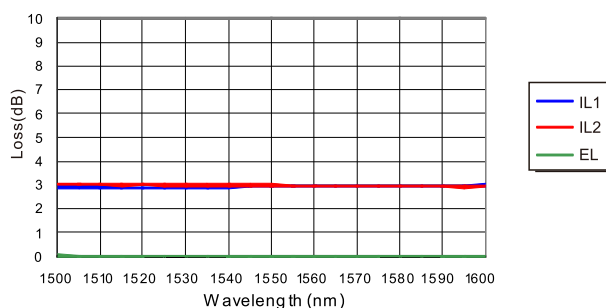
- Telecommunications
- Fiber in the loop
- Local area network
- CATV
- Fiber optic sensing
- Test instruments

## Spectral Performance:

Coupling Ratio of Single Window Wideband 50/50 Coupler



Insertion Loss & Excess Loss of Single Window Wideband 50/50 Coupler



Datalink PLC splitter is a high quality passive device. It is especially for passive internet (EPON, BPON, and GPON). And different package can follow clients' different inquiry.



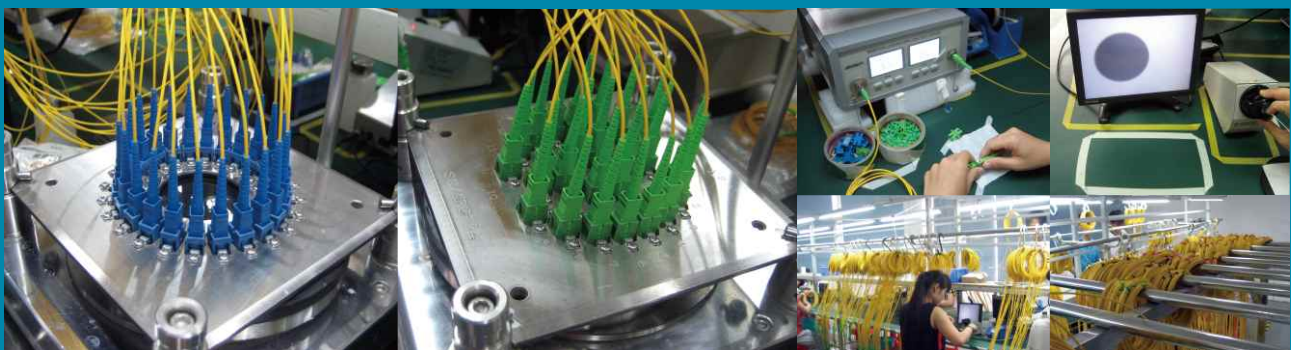
Parameters		1X2	1X4	1X8	1X16	1X32	1X64
Fiber type		SMF-28e or customer specified					
Operating wavelength(nm)		1260-1650					
Insertion loss(dB)	Max (P/A)	3.8/4.0	7.2/7.4	10.5/10.7	13.5/13.7	16.5/16.9	21.0
Loss Uniformity(dB)	Max	0.6	0.6	0.8	1.2	1.7	2.5
Return loss(dB)	Min (P/A)	55/50	55/50	55/50	55/50	55/50	50
PDL(dB)	Max	0.2	0.2	0.3	0.3	0.3	0.4
Directivity(dB)	Min	55	55	55	55	55	55
Wavelength Dependent loss(dB)	Max	0.5	0.5	0.5	0.8	0.8	0.8
Temperature Stability(-40 ~ 85℃)(dB)	Max	0.5	0.5	0.5	0.8	0.8	1
Operating Temperature (℃)		-40 ~ +85					
Storage Temperature (℃)		-40 ~ +85					

# COMPANY PROFILE

Datolink Ltd was founded in the January of 2007 by several engineers, who have had many years experience in fiber optical as well as in structured cabling industry. Datolink is a high technology oriented company with fiber optical products and structured cabling. We are dedicated to the design, manufacture and sales, meanwhile, we can provide customers with complete cabling solutions in installation and maintenance.

The company has a strict and comprehensive system of quality control and approved the standard ISO9001: 2000. Is well connected with raw materials providers and factories worldwide, to offer customers a broad line of products with competitive prices and very soon time of delivery.

Our products have been exported to over 40 countries and regions in whole Europe, Middle East, Southeast Asia, Latin America, etc. Datolink Ltd is committed to offer the partners high quality products and professional services, we look forward for the successful development with mutual-benefits,for casting the future of fiber optical and structured cabling!



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