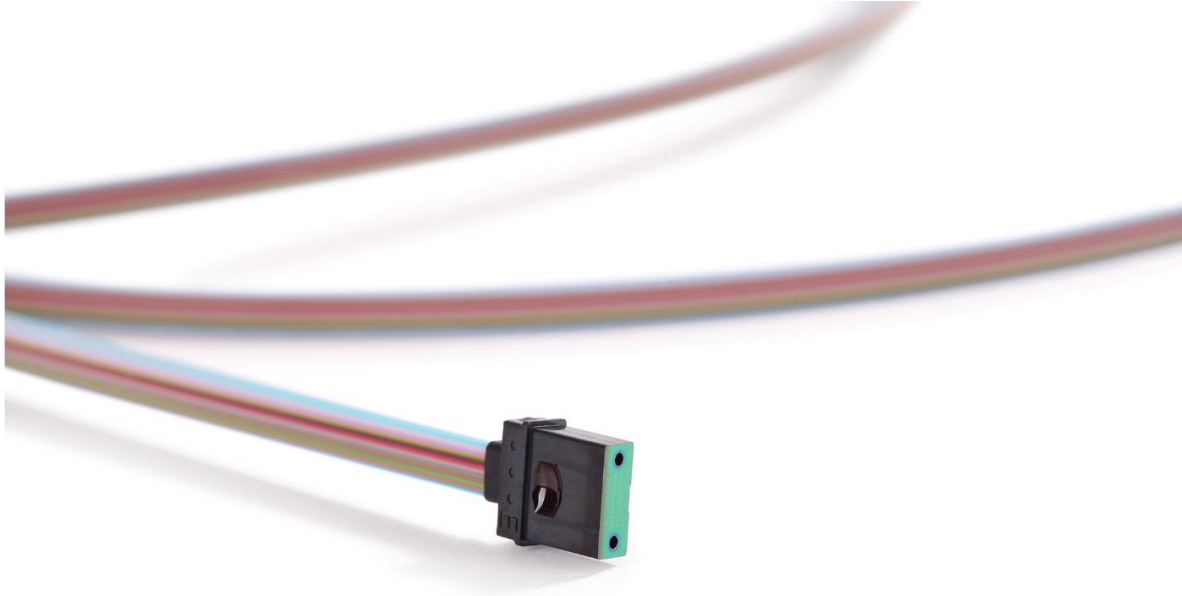
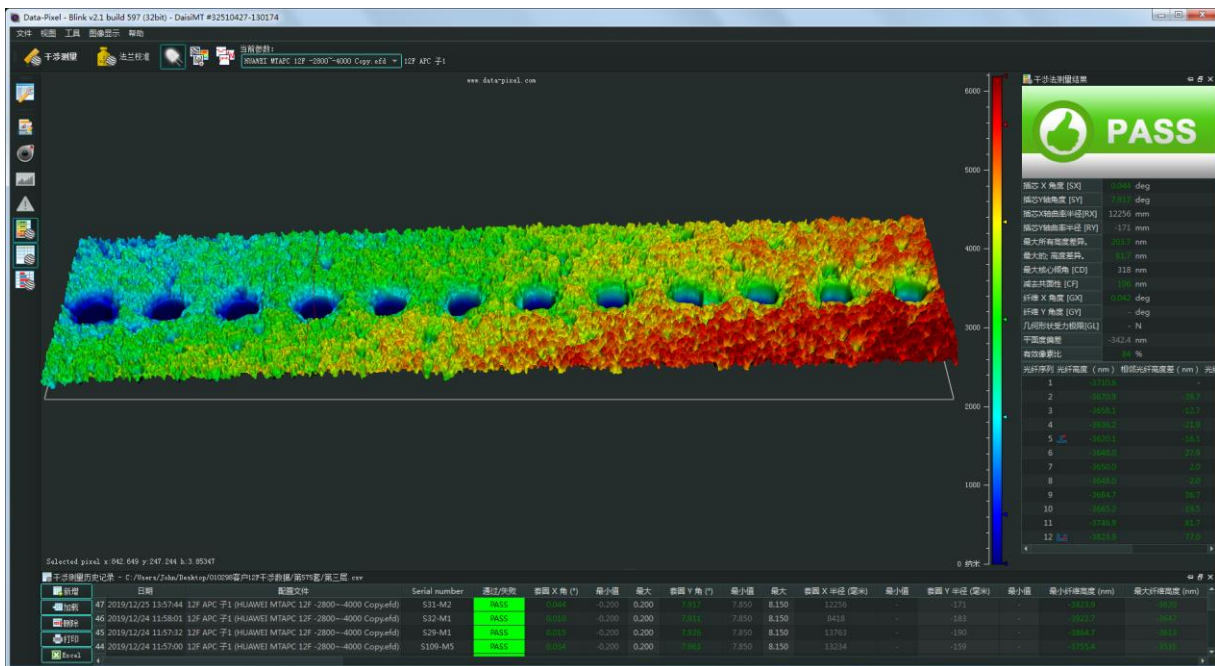


MT/MPO/MTP Contactless Fiber Optic Patch Cord



There is no contact between fibers when contactless connector connection, because fiber surface is recessed and there is AR coating on fiber surface. After AR coating, contactless connector has lower insertion loss and higher return loss, also has better service life.

Contactless connector can mate with Ordinary MT/MPO/MTP connector which is without AR coating.



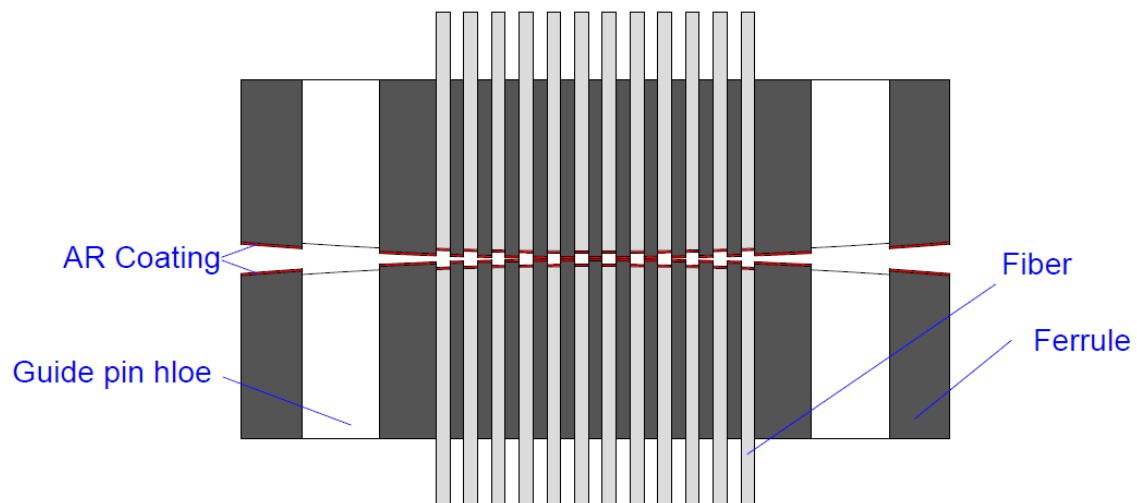
Interferogram of AR Coating MT Ferrule

Information and specifications are subject to change without notice. Please visit www.china-tscom.com for more information



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Mating of two AR coated MT ferrules



Applications

- Fiber sheet
- High performance connection
- Test patchcord in module production
- Data centers
- Storage area network- fiber channel
- The internal connector application in fiber equipment

Features

- Low insertion loss
- High return loss
- Longer service life: ≥ 200 matings
- Lower spring force
- No endface damage
- Dust insensitive
- MT/MPO/MTP Connector type
- Can mate MT/MPO/MTP Connector which without AR coating

Standards Compliance

- TIA/EIA-568.3-D
- ISO/IEC 11801
- IEC-61754-7
- EIA/TIA-604-5
- GR-1435-CORE
- RoHS

General Specification

Construction	Description		
Fiber Count	4-24 Fibers		
Fiber Mode	Single mode: G.652/G.657 (9/125 μ m)		
Fiber Brand	Corning SMF-28® Ultra optical fiber		
Cable Jacket Ratings	Low Smoke Zero Halogen (LSZH)		
	Riser (OFNR)		
	Plenum (OFNP)		
	Ribbon fiber without jacket		
Cable Jacket Color	OS2/G657: Yellow or customized		
Polarity	Type A, Type B, Type C (TIA-568.3-D)		
Connector Ferrule	12F/16F/24F		
Connector Type	Male; Female		
Connector Brand	US Conec MTP, Senko MPO, Nissin MPO, Sanwa MPO, FURUKAWA MPO		
Connector Color		SM(APC)	SM(PC)
	Low Loss	Yellow	Yellow
	Standard	Green	Blue
Connector Boot Color	Green/Black/Red/Gray or Customized		
Operating Temperature	-20°C to + 70°C		
Storage Temperature	-40°C to + 85°C		

Technical Specification

Optical Properties	
Insertion Loss (dB)	Low loss \leq 0.35 (Typical: \leq 0.10)
Return Loss (dB)	PC \geq 50; APC \geq 65
Durability	\leq 0.2 dB typical change, 200 matings
Wavelength (nm)	Singlemode: 1310/1550,
Fiber Attenuation (dB/km)	Singlemode: \leq 0.35 at 1310nm, \leq 0.2 at 1550nm