



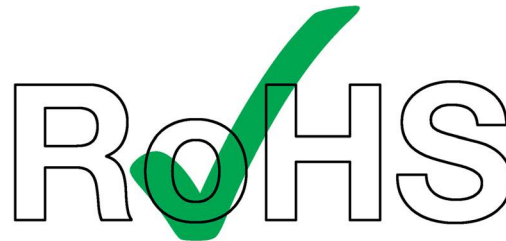
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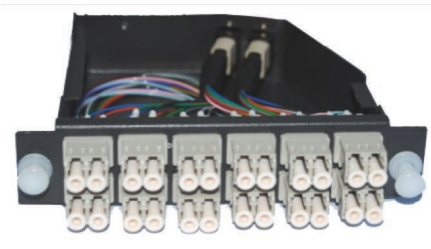
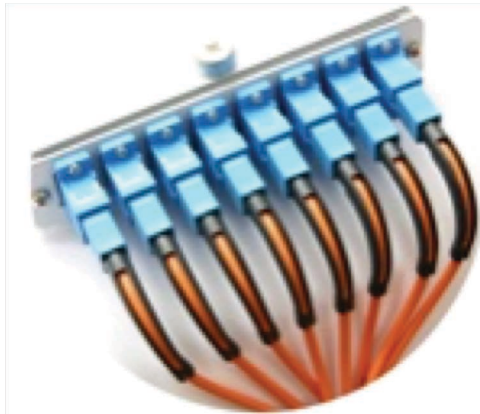
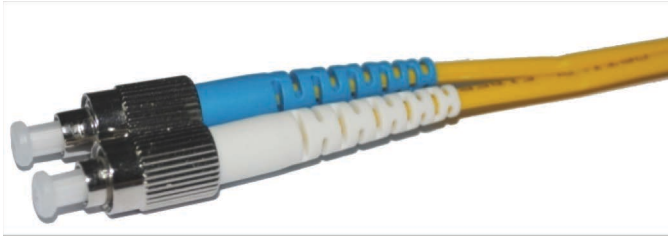
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Fiber Optic Capabilities



Main Products



Singlemode Patchcords

- Physical contact :

 - Ultra Physical Contact (UPC)

 - Angled Physical Contact (APC)

- Standard assembly products :

 - SC, FC, ST, MU, LC, MTRJ, MTP/MPO

- Application :

 - Telephone, CATV, High-speed datacomm

- Specification :

 - Telcordia GR-326-CORE

- Topography measurement :

 - Adapt for maintaining polished ferrule quality



Guaranteed Optical Performance

	APC	UPC	MTRJ
Insertion Loss (dB)	<0.3	<0.2	<0.5
Return Loss (dB)	>65	>55	>40



Multimode Patchcords

- Inspection :

All assemblies are 100% visually and
Optically inspected

- Standard assembly :

SC, FC, ST, MU, LC, MTRJ, MTP/MPO

- Application :

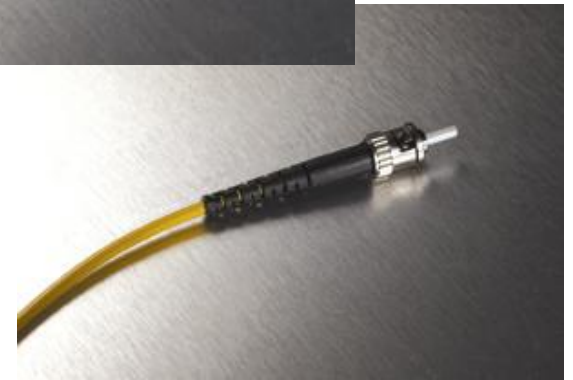
Telephone, CATV, High-speed datacomm

- Specification :

Telcordia GR-326-CORE

- Topography measurement :

Adapt for maintaining polished ferrule quality

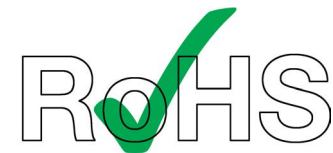
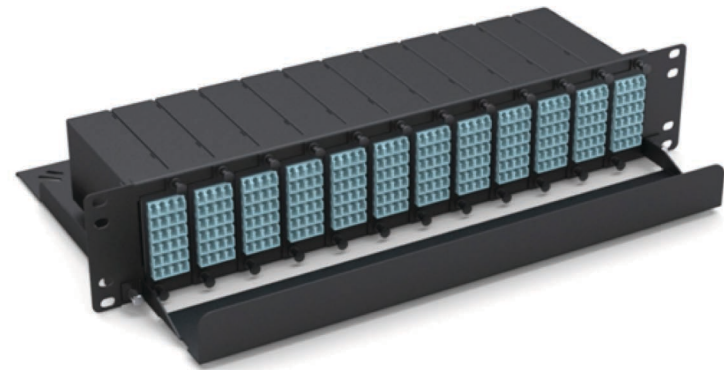


Guaranteed Optical Performance

	PC	Flat
Insertion Loss (dB)	<0.3	<0.3



MTP/MPO patch panel



Workshop



Process Control & Inspect

CRITERION FOR PATCHCORD ASSEMBLYING PROCESS INSPECTION(1)

ITEM : PATCHCORD, PIGTAIL(SIMPLEX, DUPLEX)				TYPE : APC/UPC		
FLOW	ITEMS	TOOLS	CRITERIONS	SAMPLING		Remarks
				VOLUMN	FREQUENCY	
Cutting	Color	Visual	In accordance with order	Normal Criterion Level (II) AQL=1.0	Twice an hour	Per Jig
	Length	Tape	Tolerance: +-5cm			
Kits Assembling	No. of kits and sequence	Visual	FC/ SC : Boot, Jacket Ring, Back post Ring, Spring (Φ3.0、 Φ2.0) Boot, Backpost Ring, Spring (Φ0.9)			
Striping	Length Stripped	Ruler	SC 2.6cm	Normal Criterion Level (II) AQL=1.0	Twice an hour	Per Jig
Inserted Length and Glue	Inserted Length And Glue	Visual	Tight buffer must reach to V slot; Glue should spill over ferrule and the fiber is seen 1mm above ferrule;	Normal Criterion Level (II)		
			Glue on ferrule end should be even and filled up gaps around fiber	AQL=1.0		

Process Control & Inspect

CRITERION FOR PATCHCORD ASSEMBLYING PROCESS INSPECTION(2)

FLOW	ITEMS	TOOLS	CRITERIONS	SAMPLING		Remark
				VULUMN	FREQUENCY	
Curing	Temp	Thermo-meter	SM/MM : 100-110℃	AQL=1.0		
Polishing	Index of Interfero-meter	Interfero-meter	Offset : $\leq 50\mu\text{m}$ 、			
			Fiber height : $\pm 50\text{nm}$ 、			
			APC Angle : 8度 $8\pm 0.5^\circ$, 9度 $9\pm 0.5^\circ$			
			Radius Curvature : APC 5~12mm			
Assembly	Appear-ance	Visual	No bending on crimping, No curved yarn in jacket ring			
	Direction	Visual	Direction key should in the same direction with the printing on cable			
	Length of Yarn	Visual	Wrap Backpost ring evenly, parellel with jacket ring, exceed jacket ring no more than 2mm			
	Overall	Pulling Force-Meter	Cable can't be pull out, in all kits in good shape, ferrule elastic,			

Process Control & Inspect

CRITERION FOR PATCHCORD ASSEMBLYING PROCESS INSPECTION(3)

FLOW	ITEMS	TOOLS	CRITERIONS	SAMPLING		Remark
				VULUMN	FREQUENCY	
Inspect-ion	Optical Performance	IL & RL meter	PC $IL \leq 0.3\text{dB}$ $RL \geq 45\text{ dB}$ APC $IL \leq 0.3\text{dB}$ $RL \geq 60\text{ dB}$			
End face	Surface	400X Micro-Scope	No defect around light spot, outside the spot, 1 scratch or whit/black dot is acceptable; Glue left on edge is no larger than 2um.			
Packing	Length of roll	Ruler	For Duplex: 20cm+/-2cm, others follow the customer's requirement			
	Packing manner	Visual	Keep consistency with the customer requirement			