FIBER OPTIC PATCH CORDS



LC, SC, FC, ST, E2000, DIN, MU, MTRJ, D4, ESCON, BICONIC, etc.



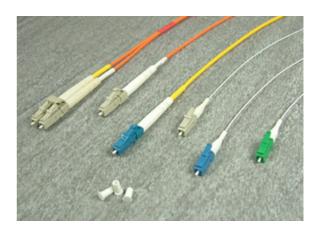


LC FIBER OPTIC PATCH CORDS

Description

The LC connectors used are small formfactor fiber optic connectors resembling miniature SC connectors with high quality 1.25mm zirconia ferrules and push-pull latching mechanism. They are fully compatible with existing LC hardware.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of



polished connectors meeting GR-326 requirements. For premium grade, ferrule geometry is tested on all patch cords to meet these GR-326 requirements.

Other than standard single mode and multimode fibers, G655, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

Features

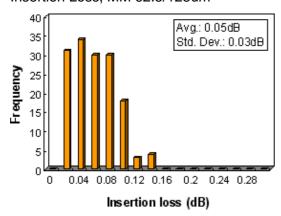
- Small form factor design
- Pull-proof
- Non-optical disconnect performance
- High quality zirconia ferrules
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

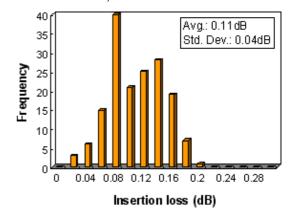
- Telecommunication
- Computer networks
- CATV networks
- Active device termination
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



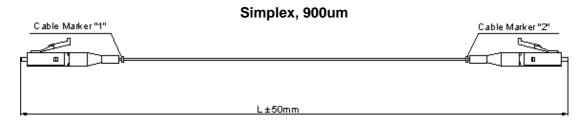
Insertion Loss, SM 9/125um PC

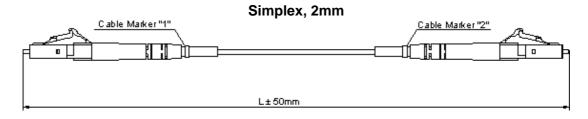


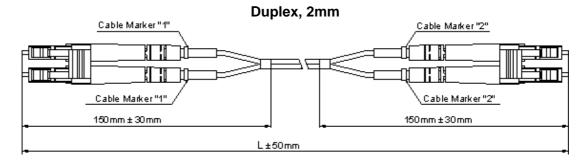
 $[\]ensuremath{^{\star}}$ Typical performance charts and actual data may vary from lot to lot.

Pacific Interconnections • www.pacificinterco.com • 425-2779527

Characteristics	Unit	Value/Pe	erforr	nance	Co	omments					
		SM		MM							
		PC	APC								
Basic				•							
Insertion Loss (IL)	dB	<	≤0.3			IEC 61300-3-4					
Return Loss (RL)	dB	SPC≥45 UPC≥50	≥60	≥23	IEC 61300-3-6						
Endurance	dB	ΔIL	<u><</u> 0.2			C 61300-2-2 ean every 25		d uncoupling	500 cycles,		
Operating Temperature	°C	-20	~ +70)							
Storage Temperature	°C	-40	~ +70)							
Ferrule end-face geom	etry	•									
Radius of Curvature (R)	mm	7-25	5-12	NA	Te	elcordia GR32	26(4.4.5)				
Apex Offset	um	≤50		NA	Τe	elcordia GR32	25(4.4.5)				
Fiber Protrusion	nm	≤50	≤100	NA	Te	elcordia GR32	26(4.4.5)				
Fiber Under Cut	nm	≤125@ R=7-10	<u><</u> 100	NA		elcordia GR32 0.02R ³ +1.3R	, ,				
Mechanical		1		1	· · ·						
Drop	dB	ΔIL	<u><</u> 0.2		ΙE	IEC 61300-2-12, 1.5m, 5 drops, no damage					
Vibration	dB	ΔIL	_ <u><</u> 0.2			IEC 61300-2-1, 10-55Hz, 0.75mm amplitude, 0.5 hrs/axis					
Flex	dB	ΔIL	_≤0.2		Telcordia GR326(4.4.3.2), 0.6kg, <u>+</u> 90°, 100cycles, for 2mm or larger cable						
Twist	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable						
Pull Proof	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.4), 2.3kg at 90°, 6.8kg at 0 for 2mm or larger cable						
Coupling strength	dB	ΔIL	_≤0.2		IEC 61300-2-6, 4.2kg, 2min						
Static Bending	dB	ΔIL	<u>≤</u> 0.2		ΙE	C 794-1-2, 60	Omm diamete	er 10 turns			
Crushing	dB	ΔΙΙ	<u>≤</u> 0.2			C 794-1-2, 10 r 900m cable	•	n or larger ca	able, 10.2kg		
Environmental											
Cold	dB	ΔIL	_≤0.2		ΙE	C 61300-2-1	7, -20°C, 96	hrs			
Dry Heat	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-1	8, 70°C, 96 h	rs			
Damp Heat	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-1	9, 40°C, 95%	RH, 96 hrs			
Transmission	•										
Characteristics	Unit	G652 SI	ИС	655 S	M	Std. 50um	62.5um	OM2	OM3		
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/155		0.3 (1550		2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)		
Min. Bandwidth	MHz•km (nm)	-		-		500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)		
Dispersion Coefficient	ps/ nm ² •km	<u><</u> 3.0 (1310nm	n) (2.6-6.0 1550nı		-	-	-	-		







Ordering Information

Part Number: PC-L U L U S R P 2.0-3

1 2 3 4 5 6 7 8 9

Connector #1 L=LC, S=SC, T=ST, F=FC, E2=E2000, DN=DIN, M=MU, MR=MTRJ, etc.

2 Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male Connector #2 P=Pigtail (no connector at this end), L=LC, S=SC, T=ST, F=FC,

E2=E2000, DN=DIN, M=MU, MR=MTRJ, etc.

4 Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex Straight, X=Duplex Reverse

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 2.0=Ø2.0mm, 3.0=Ø3.0mm, 0.9=Ø0.9mm, etc.

Oable Length Length in meter, i.e. 3=3m





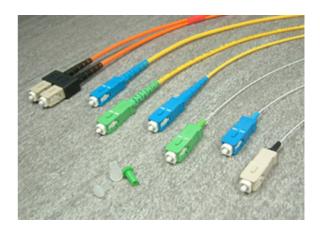


SC FIBER OPTIC PATCH CORDS

Description

The SC* connectors used for our patch cords are designed to NTT-SC* standards and are fully compatible with existing SC hardware. Two simplex connectors can be configured into a duplex format by adding a duplex clip.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of



polished connectors meeting GR-326 requirements. For premium grade, ferrule geometry is tested on all patch cords to meet these GR-326 requirements.

Other than standard single mode and multimode fibers, G655, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

*NTT-SC is a trademark of NTT Advanced Technology Corp.

Features

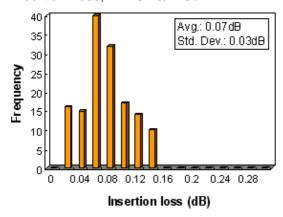
- Push-pull latching mechanism
- Non-optical disconnect performance
- High quality zirconia ferrules
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

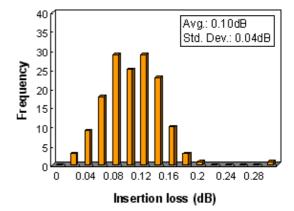
- Telecommunication
- Computer networks
- CATV networks
- Active device termination
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



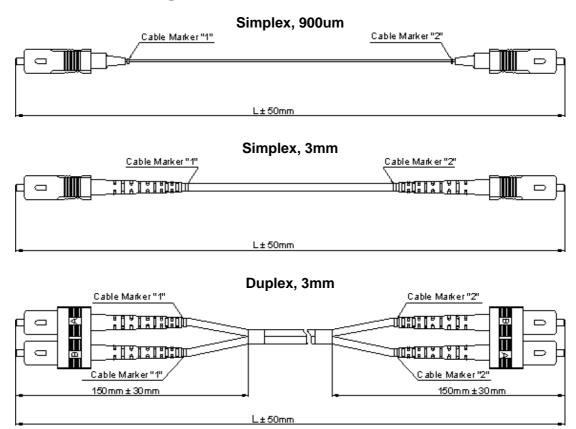
Insertion Loss, SM 9/125um PC



^{*} Typical performance charts and actual data may vary from lot to lot.

Pacific Interconnections • www.pacificinterco.com • 425-2779527

Characteristics	Unit	Value/Pe	erforr	Value/Performance							
		SM		MM							
		PC	APC	;							
Basic	•										
Insertion Loss (IL)	dB	<u> </u>	0.3		IEC 61300-3-4						
Return Loss (RL)	dB	SPC≥45 UPC≥50	≥60	≥23	IEC 61300-3-6						
Endurance	dB	ΔIL	<u><</u> 0.2	•		C 61300-2-2, ean every 25		d uncoupling	500 cycles,		
Operating Temperature	°C	-20	~ +7	0							
Storage Temperature	°C	-40	~ +7	0							
Ferrule end-face geom	etry	l			<u> </u>						
Radius of Curvature (R)	mm	7-25	5-12	. NA	Te	lcordia GR32	26(4.4.5)				
Apex Offset	um	≤50		NA	Τe	lcordia GR32	25(4.4.5)				
Fiber Protrusion	nm	≤50	≤100) NA	Те	lcordia GR32	26(4.4.5)				
Fiber Under Cut	nm	≤125@ R=7-10	<u><</u> 100	NA NA	1	elcordia GR32 0.02R ³ +1.3R	` ,				
Mechanical	I	1		ı							
Drop	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-12	2, 1.5m, 5 dr	ops, no dam	age		
Vibration	dB	ΔIL	_ <u><</u> 0.2		IEC 61300-2-1, 10-55Hz, 0.75mm amplitude, 0.5 hrs/axis						
Flex	dB	ΔIL	_≤0.2		Telcordia GR326(4.4.3.2), 0.9kg, <u>+</u> 90°, 100cycles, for 2mm or larger cable						
Twist	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable						
Pull Proof	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0 for 2mm or larger cable						
Coupling strength	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-6,	4.2kg, 2min				
Static Bending	dB	ΔIL	<u><</u> 0.2		ΙE	C 794-1-2, 60	Omm diamete	er 10 turns			
Crushing	dB	ΔIL	<u>-≤</u> 0.2		1	C 794-1-2, 10 r 900m cable	•	n or larger ca	able, 10.2kg		
Environmental	ı	l			<u> </u>						
Cold	dB	ΔIL	<u>_<</u> 0.2		ΙE	C 61300-2-17	7, -20°C, 96	hrs			
Dry Heat	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-18	8, 70°C, 96 h	ırs			
Damp Heat	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-19	9, 40°C, 95%	RH, 96 hrs			
Transmission	<u> </u>	I.			-						
Characteristics	Unit	G652 SI	M (3655 S	M	Std. 50um	62.5um	OM2	OM3		
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/155		0.3 (1550)	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)		
Min. Bandwidth	MHz•km (nm)	-		-		500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)		
Dispersion Coefficient	ps/ nm ² •km	<u><</u> 3.0 (1310nm	n) (2.6-6.0 1550nı		-	-	-	-		



Ordering Information

Part Number: PC-S A S U X R R 3.0-6

1 2 3 4 5 6 7 8 9

Connector #1 S=SC, F=FC, T=ST, L=LC, E2=E2000, DN=DIN, M=MU, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

3 Connector #2 P=Pigtail (no connector at this end), S=SC, F=FC, T=ST, L=LC, etc.

Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex Straight, X=Duplex Reverse

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

7 Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

Oable Length Length in meter, i.e. 6=6m







FC FIBER OPTIC PATCH CORDS

Description

The FC* connectors used in our patch cords are designed to NTT-FC* standards with high quality zirconia ferrules and non-optical disconnect performance. They are fully compatible with existing FC hardware.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of polished connectors meeting GR-326



requirements. For premium grade, ferrule geometry is tested on all patch cords to meet these GR-326 requirements.

Other than standard single mode and multimode fibers, G655, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

*NTT-FC is a trademark of NTT Advanced Technology Corp.

Features

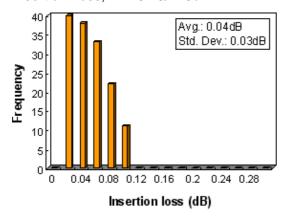
- Non-optical disconnect performance
- High quality zirconia ferrules
- Low insertion loss and high return loss
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

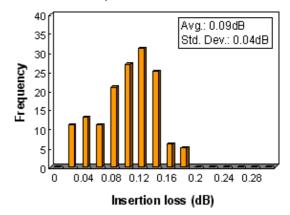
- Telecommunication
- Computer networks
- CATV networks
- Active device termination
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um

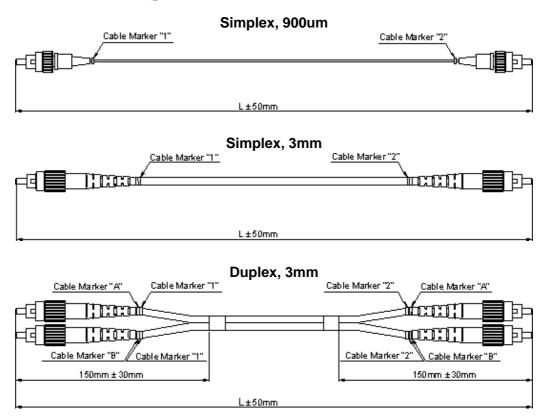


Insertion Loss, SM 9/125um PC



^{*} Typical performance charts and actual data may vary from lot to lot.

Characteristics	Unit	Value/Pe	erform	ance	Co	omments				
		SM		ММ						
		PC	APC							
Basic										
Insertion Loss (IL)	dB	≤0.3			IEC 61300-3-4					
Return Loss (RL)	dB	SPC <u>></u> 45 UPC <u>></u> 50	<u>></u> 60	≥23	IEC 61300-3-6					
Endurance	dB	ΔΙΙ	<u>-≤</u> 0.2			C 61300-2-2, ean every 25		d uncoupling	500 cycles,	
Operating Temperature	°C	-20	~ +70)						
Storage Temperature	°C	-40	~ +70)						
Ferrule end-face geom	etry									
Radius of Curvature (R)	mm	7-25	5-12	NA	Те	lcordia GR32	26(4.4.5)			
Apex Offset	um	≤50		NA	Те	lcordia GR32	25(4.4.5)			
Fiber Protrusion	nm	≤50	≤100	NA	Те	lcordia GR32	26(4.4.5)			
Fiber Under Cut	nm	≤125@ R=7-10	<u><</u> 100	NA		elcordia GR32 0.02R ³ +1.3R	` ,			
Mechanical										
Drop	dB	ΔIL	<u><</u> 0.2		IE	IEC 61300-2-12, 1.5m, 5 drops, no damage				
Vibration	dB	ΔΙΙ	<u><</u> 0.2			C 61300-2-1, s/axis	10-55Hz, 0.	75mm ampli	tude, 0.5	
Flex	dB	ΔΙΙ	<u>-≤</u> 0.2			elcordia GR32 2mm or larg).9kg, <u>+</u> 90°, ′	100cycles,	
Twist	dB	ΔΙΙ	<u>≤</u> 0.2		Telcordia GR326(4.4.3.3), 1.35kg load, <u>+</u> 2.5 turns, 10 cycles, for 2mm or larger cable					
Pull Proof	dB	ΔΙΙ	<u>-<</u> 0.2		Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0 for 2mm or larger cable					
Static Bending	dB	ΔIL	_≤0.2		IEC 794-1-2, 60mm diameter 10 turns					
Crushing	dB	ΔΙΙ	<u>-≤</u> 0.2			C 794-1-2, 10 900m cable	02kg for 2mn	n or larger ca	able, 10.2kg	
Environmental										
Salt mist		No sign o	of corr	osion	IE	C 61300-2-20	6, 5% NaC1,	30°C, 7 day	S	
Cold	dB	ΔIL	_≤0.2		ΙE	C 61300-2-17	7, -20°C, 96	hrs		
Dry Heat	dB	ΔIL	_ <u><</u> 0.2		ΙE	C 61300-2-18	8, 70°C, 96 h	nrs		
Damp Heat	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-19	9, 40°C, 95%	RH, 96 hrs		
Transmission										
Characteristics	Unit	G652 SI	VI G	655 S	M	Std. 50um	62.5um	OM2	ОМЗ	
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/15		0.3 (1550))	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)	
Min. Bandwidth	MHz•km (nm)	-		_		500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)	
Dispersion Coefficient	ps/ nm ² •km	<u>≤</u> 3.0 (1310nm		2.6-6.0 550nr		-	-	-	-	



Ordering Information

Part Number: PC-F U F U S R P 3.0-5

1 2 3 4 5 6 7 8 9

Connector #1 F=FC, S=SC, T=ST, L=LC, E2=E2000, DN=DIN, M=MU, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

Connector #2 P=Pigtail (no connector at this end), F=FC, S=SC, T=ST, L=LC, etc.

In this is a finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex

Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

Cable Length Length in meter, i.e. 5=5m







ST FIBER OPTIC PATCH CORDS

Description

The ST* connectors used in our patch cords employ half-twist bayonet locking mechanism and high quality 2.5mm zirconia ferrules. They are fully compatible with existing ST type hardware.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of polished connectors meeting GR-326



requirements. For premium grade, ferrule geometry is tested on all patch cords to meet these GR-326 requirements.

Other than standard single mode and multimode fibers, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

*ST is a trademark of Lucent Technologies

Features

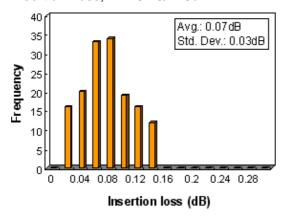
- ST compatible bayonet coupling
- Metal body and zirconia ferrule
- Low insertion loss and high return loss
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

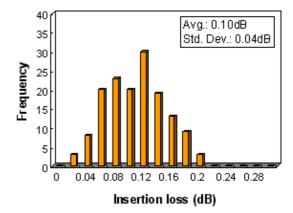
- Local Area Networks
- Fast Ethernet
- Fiber Channel
- ATM Networks
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



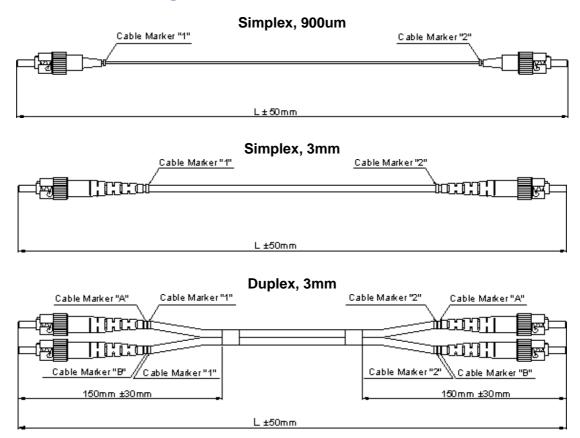
Insertion Loss, SM 9/125um



^{*} Typical performance charts and actual data may vary from lot to lot.

Pacific Interconnections • www.pacificinterco.com • 425-2779527

Characteristics	Unit	Value/P	Perforn	nance	Comme	ents			
		SN	1	MM					
		SPC	UPC						
Basic									
Insertion Loss (IL)	dB		≤0.3			300-3-4			
Return Loss (RL)	dB	<u>≥</u> 45	≥50	≥23	IEC 613	300-3-6			
Endurance	dB	Δ	IL <u><</u> 0.2		IEC 61300-2-2, coupling and uncoupling 500 cyclean every 25 cycles				
Operating Temperature	°C	-20	0 ~ +70)					
Storage Temperature	°C	-40	0 ~ +70)					
Ferrule end-face geom	etry								
Radius of Curvature (R)	mm	7-2	5	NA	Telcord	ia GR326(4.4.5	5)		
Apex Offset	um	≤50	0	NA	Telcord	ia GR325(4.4.5	5)		
Fiber Protrusion	nm	≤50	0	NA	Telcord	ia GR326(4.4.5	5)		
Fiber Under Cut	nm	≤12 @R=7		NA		ia GR326(4.4.5 ³ +1.3R ² -31R+			
Mechanical					'				
Drop	dB	Δ	IL <u><</u> 0.2		IEC 613	300-2-12, 1.5m	, 5 drops, no da	amage	
Vibration	dB	Δ	IL <u><</u> 0.2		IEC 61300-2-1, 10-55Hz, 0.75mm amplitude, 0.5 hrs/axis				
Flex	dB	Δ	IL <u><</u> 0.2			ia GR326(4.4.3 n or larger cable		°, 100cycles,	
Twist	dB	Δ	IL <u><</u> 0.2		Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable				
Pull Proof	dB	Δ	IL <u><</u> 0.2		Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0° for 2mm or larger cable				
Static Bending	dB	Δ	IL <u><</u> 0.2		IEC 794	1-1-2, 60mm dia	ameter 10 turns	5	
Crushing	dB	Δ	IL <u><</u> 0.2		IEC 794 for 900r	1-1-2, 102kg for n cable	r 2mm or largei	cable, 10.2kg	
Environmental									
Salt mist		No sign	of cor	rosion	IEC 613	300-2-26, 5% N	laC1, 30°C, 7 c	lays	
Cold	dB	Δ	IL <u><</u> 0.2		IEC 613	300-2-17, -20°C	c, 96 hrs		
Dry Heat	dB	Δ	IL <u><</u> 0.2		IEC 613	300-2-18, 70°C	, 96 hrs		
Damp Heat	dB	Δ	IL <u><</u> 0.2		IEC 613	300-2-19, 40°C	, 95%RH, 96 h	rs	
Transmission									
Characteristics	Unit	G652	SM	Std.	td. 50um 62.5um OM2		OM2	ОМ3	
Max. Attenuation	dB/km (nm)	0.4/0 (1310/1		ı				2.8 (850)	
Min. Bandwidth	MHz•km (nm)	-		ı)/500 /1300)	200/200 (850/1300)	750 (850)	2000 (850)	
Dispersion Coefficient	ps/ nm ² •km	<u>≤</u> 3. (1310			-	-	-	-	



Ordering Information

Part Number: **PC-T P T P D K R 3.0-5**1 2 3 4 5 6 7 8 9

Connector #1 T=ST, S=SC, F=FC, L=LC, E2=E2000, DN=DIN, M=MU, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

3 Connector #2 P=Pigtail (no connector at this end), T=ST, S=SC, F=FC, L=LC, etc.

Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3

7 Cable Jacket R=Riser, P=Plenum, L=LSZH

Representation 3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

Oable Length Length in meter, i.e. 5=5m





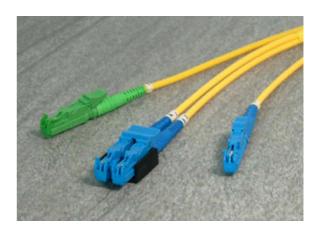


E2000 FIBER OPTIC PATCH CORDS

Description

The E2000* connectors used are featured with spring-loaded shutters that open when engaged and close when disengaged protecting ferrules from dust and scratches. The connector's push-pull latching mechanism clicks when fully inserted.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of



polished connectors meeting GR-326 requirements. For premium grade, ferrule geometry is tested on all patch cords to meet these requirements.

Other than standard single mode and multimode fibers, G655, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request

Features

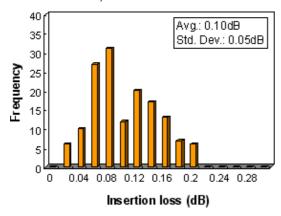
- Push-pull latching mechanism
- Protected by spring-loaded shutters
- Low insertion loss and high return loss
- Materials meet RoHS requirements
- Riser, Plenum, or LSZH cables

Applications

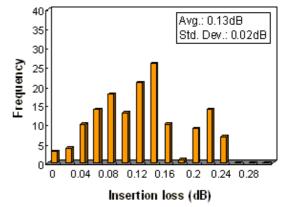
- Telecommunication
- Computer networks
- CATV networks
- Active device termination
- Instrumentation

Optical Performance Distribution

Insertion Loss, SM 9/125um PC



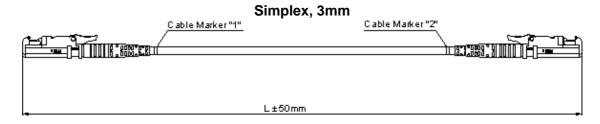
Insertion Loss, SM 9/125um APC

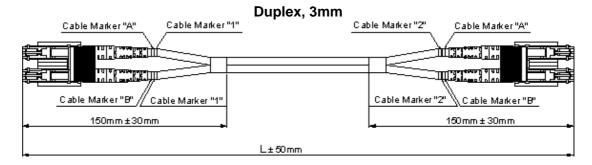


^{*} Typical performance charts and actual data may vary from lot to lot.

^{*}The E2000 connectors are manufactured under license of Diamond SA.

Characteristics	Unit	Value/Pe	erforr	Value/Performance							
		SM		MM							
		PC	APC	;							
Basic	•										
Insertion Loss (IL)	dB	<u> </u>	0.3		IEC 61300-3-4						
Return Loss (RL)	dB	SPC≥45 UPC≥50	≥60	≥23	IEC 61300-3-6						
Endurance	dB	ΔIL	<u><</u> 0.2			C 61300-2-2, ean every 25		d uncoupling	500 cycles,		
Operating Temperature	°C	-20	~ +7	0							
Storage Temperature	°C	-40	~ +7	0							
Ferrule end-face geom	etry	l			<u> </u>						
Radius of Curvature (R)	mm	7-25	5-12	. NA	Te	lcordia GR32	26(4.4.5)				
Apex Offset	um	≤50		NA	Τe	lcordia GR32	25(4.4.5)				
Fiber Protrusion	nm	≤50	≤100) NA	Те	lcordia GR32	26(4.4.5)				
Fiber Under Cut	nm	≤125@ R=7-10	<u><</u> 100	NA NA	1	elcordia GR32 0.02R ³ +1.3R	` ,				
Mechanical	I	1		ı							
Drop	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-12	2, 1.5m, 5 dr	ops, no dam	age		
Vibration	dB	ΔIL	_ <u><</u> 0.2		IEC 61300-2-1, 10-55Hz, 0.75mm amplitude, 0.5 hrs/axis						
Flex	dB	ΔIL	_≤0.2		Telcordia GR326(4.4.3.2), 0.9kg, <u>+</u> 90°, 100cycles, for 2mm or larger cable						
Twist	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable						
Pull Proof	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0 for 2mm or larger cable						
Coupling strength	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-6,	4.2kg, 2min				
Static Bending	dB	ΔIL	<u><</u> 0.2		ΙE	C 794-1-2, 60	Omm diamete	er 10 turns			
Crushing	dB	ΔIL	<u>-≤</u> 0.2		1	C 794-1-2, 10 r 900m cable	•	n or larger ca	able, 10.2kg		
Environmental	ı	l			<u> </u>						
Cold	dB	ΔIL	<u>_<</u> 0.2		ΙE	C 61300-2-17	7, -20°C, 96	hrs			
Dry Heat	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-18	8, 70°C, 96 h	ırs			
Damp Heat	dB	ΔIL	<u><</u> 0.2		ΙE	C 61300-2-19	9, 40°C, 95%	RH, 96 hrs			
Transmission	<u> </u>	I.			-						
Characteristics	Unit	G652 SI	M (3655 S	M	Std. 50um	62.5um	OM2	OM3		
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/155		0.3 (1550)	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)		
Min. Bandwidth	MHz•km (nm)	-		-		500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)		
Dispersion Coefficient	ps/ nm ² •km	<u><</u> 3.0 (1310nm	n) (2.6-6.0 1550nı		-	-	-	-		





Ordering Information

Part Number: PC-E2 A E2 U S R R 3.0-6

1 2 3 4 5 6 7 8 9

Connector #1 E2=E2000, S=SC, F=FC, T=ST, L=LC, DN=DIN, M=MU, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

Connector #2 P=Pigtail (no connector at this end), E2=E2000, S=SC, F=FC, L=LC, etc.

4 Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex Straight, X=Duplex Reverse

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

7 Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

Oable Length Length in meter, i.e. 6=6m





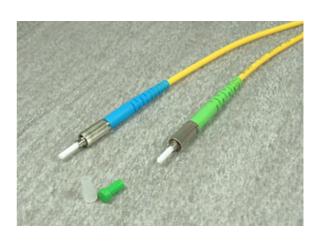


DIN FIBER OPTIC PATCH CORDS

Description

The DIN connectors used in our patch cords meet DIN 47256. They are compact and have spring-loaded free floating zirconia ferrules for superior performance.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of polished connectors meeting GR-326 requirements. For premium grade, ferrule



geometry is tested on all patch cords to meet these GR-326 requirements.

Other than standard single mode and multimode fibers, G655, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

Features

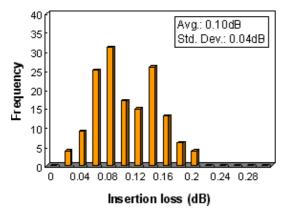
- Compatible with DIN 47256
- Compact design
- Low insertion loss and high return loss
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

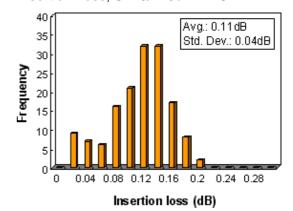
- Telecommunication
- Computer networks
- CATV networks
- Instrumentation

Optical Performance Distribution

Insertion Loss, SM 9/125um PC

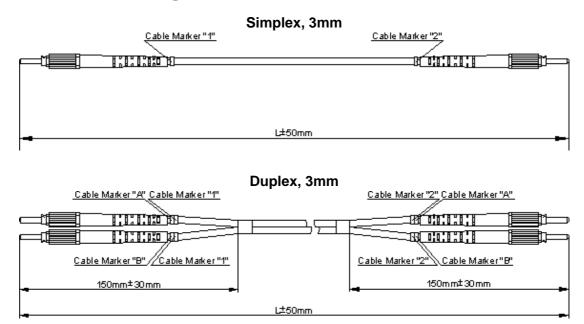


Insertion Loss, SM 9/125um APC



^{*} Typical performance charts and actual data may vary from lot to lot.

Characteristics	Unit	Value/Pe	erforn	nance	Co	omments					
		SM		MM							
		PC	APC								
Basic	•										
Insertion Loss (IL)	dB	≤0.3			IEC 61300-3-4						
Return Loss (RL)	dB	SPC≥45 UPC≥50	≥60	≥23	IEC 61300-3-6						
Endurance	dB	ΔIL	<u><</u> 0.2	•		C 61300-2-2, ean every 25		d uncoupling	500 cycles,		
Operating Temperature	°C	-20	~ +70)							
Storage Temperature	°C	-40	~ +70)							
Ferrule end-face geom	etry	l									
Radius of Curvature (R)	mm	7-25	5-12	NA	Те	lcordia GR32	26(4.4.5)				
Apex Offset	um	≤50		NA	Те	lcordia GR32	25(4.4.5)				
Fiber Protrusion	nm	≤50	≤100	NA	Те	lcordia GR32	26(4.4.5)				
Fiber Under Cut	nm	≤125@ R=7-10	<u><</u> 100	NA		elcordia GR32 0.02R ³ +1.3R	` ,	•			
Mechanical	I	1									
Drop	dB	ΔIL	<u><</u> 0.2		ΙΕ	IEC 61300-2-12, 1.5m, 5 drops, no damage					
Vibration	dB	ΔIL	<u>-<</u> 0.2		IEC 61300-2-1, 10-55Hz, 0.75mm amplitude, 0.5 hrs/axis						
Flex	dB	ΔIL	<u>-≤</u> 0.2			elcordia GR32 2mm or larg).9kg, <u>+</u> 90°, ′	100cycles,		
Twist	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable						
Pull Proof	dB	ΔIL	_ <u><</u> 0.2		Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0 for 2mm or larger cable						
Static Bending	dB	ΔIL	<u><</u> 0.2		ΙE	C 794-1-2, 60	Omm diamete	er 10 turns			
Crushing	dB	ΔIL	<u>-≤</u> 0.2			C 794-1-2, 10 900m cable	•	n or larger ca	able, 10.2kg		
Environmental		•									
Salt mist		No sign o	of cor	rosion	IE	C 61300-2-20	6, 5% NaC1,	30°C, 7 day	S		
Cold	dB	ΔIL	_≤0.2		ΙE	C 61300-2-1	7, -20°C, 96	hrs			
Dry Heat	dB	ΔIL	_ <u><</u> 0.2		ΙE	C 61300-2-1	8, 70°C, 96 h	nrs			
Damp Heat	dB	ΔIL	_ <u><</u> 0.2		ΙE	C 61300-2-1	9, 40°C, 95%	RH, 96 hrs			
Transmission											
Characteristics	Unit	G652 SI	ИС	655 S	M	Std. 50um	62.5um	OM2	OM3		
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/155		0.3 (1550		2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)		
Min. Bandwidth	MHz•km (nm)	-		-		500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)		
Dispersion Coefficient	ps/ nm ² •km	<u>≤</u> 3.0 (1310nm		2.6-6.0 1550nr		-	-	-	-		



Ordering Information

Part Number: PC-DN U DN U S R L 3.0-5

1 2 3 4 5 6 7 8 9

1 Connector #1 DN=DIN, F=FC, S=SC, T=ST, L=LC, E2=E2000, M=MU, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

Connector #2 P=Pigtail (no connector at this end), DN=DIN, F=FC, S=SC, L=LC, etc.

Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

Oable Length Length in meter, i.e. 5=5m





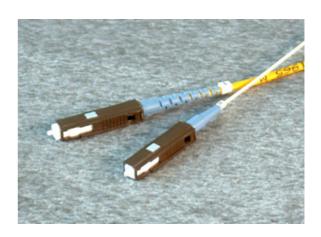


MU FIBER OPTIC PATCH CORDS

Description

MU connectors are half the size of SC connectors with push-pull function. The connectors are made of plastic housings and 1.25 mm zirconia ferrules. They are fully compatible with existing MU hardware.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of polished connectors meeting GR-326



requirements. For premium grade, ferrule geometry is tested on all patch cords to meet these GR-326 requirements.

Other than standard single mode and multimode fibers, G655, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

Features

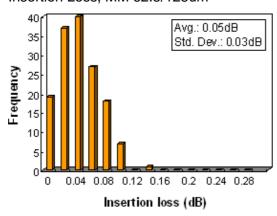
- Small size and light weight
- Push-pull operation
- High optical performance
- High quality zirconia ferrules
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

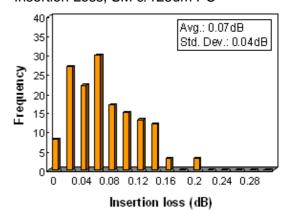
- Telecommunication
- Computer networks
- CATV networks
- Active device termination
- Instrumentation

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



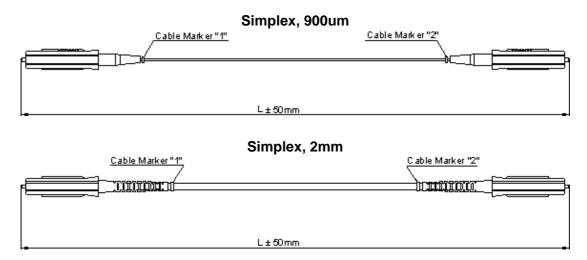
Insertion Loss, SM 9/125um PC



^{*} Typical performance charts and actual data may vary from lot to lot.

Pacific Interconnections • www.pacificinterco.com • 425-2779527

Characteristics	Unit	Value/Per	for	mance	Со	mments			
		SM		MM					
		SPC U	PC						
Basic									
Insertion Loss (IL)	dB	_<0	0.3		IE	C 61300-3-4			
Return Loss (RL)	dB	≥45 ≥	50	≥23	IE	C 61300-3-6			
Endurance	dB	ΔIL	<u><</u> 0.2	2		C 61300-2-2, an every 25	coupling an cycles	d uncoupling	500 cycles,
Operating Temperature	°C	-20 ~	- +7	0					
Storage Temperature	°C	-40 ~	- +7	0					
Ferrule end-face geom	etry								
Radius of Curvature (R)	mm	7-25		NA	Те	Icordia GR32	26(4.4.5)		
Apex Offset	um	≤50		NA	Те	Icordia GR32	25(4.4.5)		
Fiber Protrusion	nm	≤50		NA	Те	Icordia GR32	26(4.4.5)		
Fiber Under Cut	nm	≤125 @R=7-1		NA			26(4.4.5). Fo ² -31R+325 v		
Mechanical		•		•					
Drop	dB	ΔIL	<0.2	2	IEC 61300-2-12, 1.5m, 5 drops, no damage				
Vibration	dB	ΔILs	≤0.2	2	IEC 61300-2-1, 10-55Hz, 0.75mm amplitude, 0.5 hrs/axis				
Flex	dB	ΔIL	<u><</u> 0.2	2		lcordia GR32 2mm or larg	26(4.4.3.2), 0 er cable).6kg, <u>+</u> 90°, ′	100cycles,
Twist	dB	ΔIL	<0.2	2	Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable				
Pull Proof	dB	ΔIL	≤0.2	2	Telcordia GR326(4.4.3.4), 2.3kg at 90°, 6.8kg at 0° for 2mm or larger cable				
Coupling strength	dB	ΔIL	<u><</u> 0.2	2	IE	C 61300-2-6,	4.2kg, 2min		
Static Bending	dB	ΔIL	≤0.2	<u>)</u>	IE	C 794-1-2, 60	Omm diamete	er 10 turns	
Crushing	dB	ΔILs	<u><</u> 0.2	2		C 794-1-2, 10 900m cable	02kg for 2mn	n or larger ca	able, 10.2kg
Environmental									
Cold	dB	ΔIL	<0.2	2	IE	C 61300-2-1	7, -20°C, 96	hrs	
Dry Heat	dB	ΔIL	≤0.2	2	IE	C 61300-2-1	8, 70°C, 96 h	ırs	
Damp Heat	dB	ΔIL	≤0.2	2	IE	C 61300-2-1	9, 40°C, 95%	RH, 96 hrs	
Transmission		•							
Characteristics	Unit	G652 SM	ı	G655 S	М	Std. 50um	62.5um	OM2	OM3
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/1550	0)	0.3 (1550))	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)
Min. Bandwidth	MHz•km (nm)	-		-		500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)
Dispersion Coefficient	ps/ nm ² •km	≤3.0 (1310nm)) (2.6-6.0 (1550nr		-	-	-	-



Ordering Information

Part Number: PC-M U M U S R P 2.0-3

1 2 3 4 5 6 7 8 9

Connector #1 M=MU, L=LC, S=SC, T=ST, F=FC, E2=E2000, DN=DIN, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

Connector #2 P=Pigtail (no connector at this end), M=MU, L=LC, S=SC, F=FC, etc.

Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex Straight

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

7 Cable Jacket R=Riser, P=Plenum, L=LSZH
8 Cable Diameter 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

9 Cable Length Length in meter, i.e. 3=3m







MTRJ FIBER OPTIC PATCH CORDS

Description

Pacific Interconnections' MTRJ patch cords are designed to meet EIA/TIA 568B.3 and EIA/TIA 604 standards. These products offer excellent performance with high repeatability and low levels of insertion loss. They are fully intermatable with standard MTRJ products and provide long term stability under a wide range of conditions.

MTRJ connectors are low cost and small form factor connectors with RJ-45 latching mechanism making them ideal for fiber-to the-desk applications. The connectors are



made with plastic housings and composite ferrules meeting demands for cost effectiveness. Their duplex ferrules and push-pull mechanism ensure easy connectivity.

Other than standard single mode and multimode fibers, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request.

Features

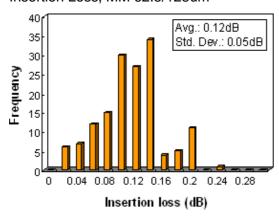
- RJ-45 form factor
- Duplex ferrule
- Increases density by 50%
- Low cost
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

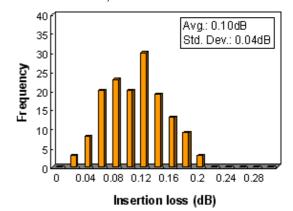
- Local Area Networks
- Fast Ethernet
- Fiber Channel
- ATM Networks
- Network cross-connect
- Fiber-to-the-desk

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



Insertion Loss, SM 9/125um

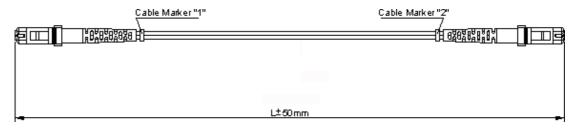


 $[\]ensuremath{^{\star}}$ Typical performance charts and actual data may vary from lot to lot.

Pacific Interconnections • www.pacificinterco.com • 425-2779527

Characteristics	Unit	Value/Perf	ormanc	Comme	ents				
		SM	ММ						
Basic				•					
Insertion Loss (IL)	dB	≤0.	.5						
Return Loss (RL)	dB	≥35	<u>></u> 20						
Endurance	dB	ΔIL <u><</u>	0.2	Couplin cycles	g and uncoupli	ng 500 cycles,	clean every 25		
Exchangeability	dB	ΔIL <u><</u>	0.2	Randon	nly				
Operating Temperature	°C	-10 ~	+60						
Storage Temperature	°C	-40 ~	+70						
Mechanical		•		•					
Impact	dB	∆IL <u><</u>	0.2	1.5m, 5	drops, no dam	age			
Vibration	dB	ΔIL <u><</u>	0.2	10-55H	10-55Hz, 0.75mm amplitude, 0.5 hrs/axis				
Flex	dB	∆IL <u><</u>	0.2	0.9kg, <u>+</u>	0.9kg, ±90°, 100cycles for jacketed cable				
Twist	dB	ΔIL <u><</u>	0.2	1.5kg lo	oad, <u>+</u> 180 degre	es, 10 cycles f	or jacketed		
Pull Proof	dB	ΔIL <u><</u>	0.2	6.8kg a	6.8kg at 0° for jacketed cable				
Environmental		•		•					
Cold	dB	∆IL <u><</u>	0.2	-10°C, 9	96 hrs				
Dry Heat	dB	∆IL <u><</u>	0.2	+60°C,	96 hrs				
Damp Heat	dB	∆IL <u><</u>	0.2	+40°C,	95%RH, 96 hrs	1			
Transmission				•					
Characteristics	Unit	G652 SN	/ Sto	l. 50um	62.5um	OM2	ОМЗ		
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/155	0)	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)		
Min. Bandwidth	MHz•km (nm)	-	- 1	00/500 0/1300)	200/200 (850/1300)	750 (850)	2000 (850)		
Dispersion Coefficient	ps/ nm ² •km	≤3.0 (1310nm)	-	-	-	-		

Dimensional Drawing



Ordering Information

Part Number: PC-MR M T P D K R 2.0-5

1 2 3 4 5 6 7 8 9

Connector #1 MR=MTRJ, S=SC, F=FC, T=ST, L=LC, etc.

Gender 1 or Finish 1 F=Female, M=Male; for others, S=SPC, U=UPC, A=APC, P=PC

Connector #2 P=Pigtail (no connector at this end), MR=MTRJ, S=SC, T=ST, L=LC, etc.

Gender 2 or Finish 2 F=Female, M=Male; for others, S=SPC, U=UPC, A=APC, P=PC, T=Pigtail

5 Cable Type D=Duplex Straight, X=Duplex Reverse

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3

7 Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 2.0=Ø2.0mm, etc.

Oable Length Length in meter, i.e. 5=5m







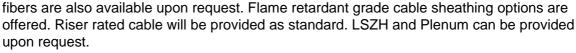
D4 FIBER OPTIC PATCH CORDS

Description

The D4 connectors used in our patch cords belong to an older generation of connectors that are keyed and spring-loaded. The zirconia ferrules are 2mm in diameter and fully compatible with existing D4 hardware.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality.

Other than standard single mode and multimode fibers, G655, OM2, and OM3





Features

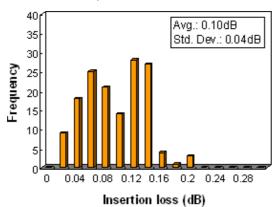
- Non-optical disconnect performance
- 2mm zirconia ferrules diameter
- Low insertion loss and high return loss
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

- Telecommunication
- Computer networks
- Instrumentation

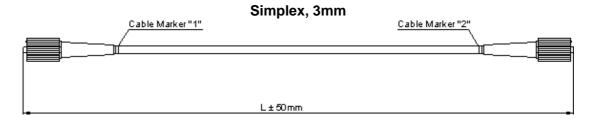
Optical Performance Distribution

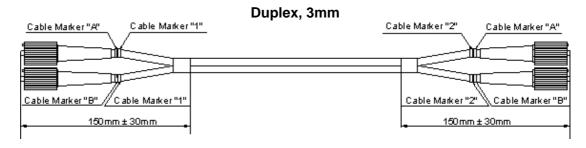
Insertion Loss, SM 9/125um PC



^{*} Typical performance chart and actual data may vary from lot to lot.

Characteristics	Unit	Value/Perf	ormance	Co	omments				
		SM	ММ						
		SPC UPC							
Basic									
Insertion Loss (IL)	dB	≤0.	3	ΙE	C 61300-3-4				
Return Loss (RL)	dB	≥45 ≥5	0 ≥23	ΙE	C 61300-3-6				
Endurance	dB	ΔIL <u><</u>	0.2		C 61300-2-2, ean every 25		d uncoupling	500 cycles,	
Operating Temperature	°C	-20 ~	+70						
Storage Temperature	°C	-40 ~	+70						
Mechanical	•			•					
Drop	dB	∆IL <u><</u>	0.2	ΙE	C 61300-2-1	2, 1.5m, 5 dr	ops, no dam	age	
Vibration	dB	ΔIL <u><</u>	0.2		C 61300-2-1, s/axis	, 10-55Hz, 0.	75mm ampli	tude, 0.5	
Flex	dB	ΔIL <u><</u>	0.2		Telcordia GR326(4.4.3.2), 0.9kg, ±90°, 100cycles, for 2mm or larger cable				
Twist	dB	ΔIL <u><</u>	0.2		Telcordia GR326(4.4.3.3), 1.35kg load, ±2.5 turns, 10 cycles, for 2mm or larger cable				
Pull Proof	dB	ΔIL <u><</u>	0.2		Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0°, for 2mm or larger cable				
Static Bending	dB	ΔlL <u><</u>	0.2	IEC 794-1-2, 60mm diameter 10 turns					
Crushing	dB	ΔIL <u><</u>	0.2	IEC 794-1-2, 102kg for 2mm or larger cable, 10.2k for 900m cable					
Environmental	•	•							
Salt mist		No sign of	corrosion	ΙE	C 61300-2-20	6, 5% NaC1,	30°C, 7 day	S	
Cold	dB	ΔIL <u><</u>	0.2	ΙE	C 61300-2-1	7, -20°C, 96	hrs		
Dry Heat	dB	ΔIL <u><</u>	0.2	ΙE	C 61300-2-1	8, 70°C, 96 h	ırs		
Damp Heat	dB	∆IL <u><</u>	0.2	ΙE	C 61300-2-1	9, 40°C, 95%	RH, 96 hrs		
Transmission									
Characteristics	Unit	G652 SM	G655 S	M	Std. 50um	62.5um	OM2	OM3	
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/1550	0.3) (1550)	2.8 (850)	3.0 (850)	2.8 (850)	2.8 (850)	
Min. Bandwidth	MHz•km (nm)	-	-		500/500 (850/1300)	200/200 (850/1300)	750 (850)	2000 (850)	
Dispersion Coefficient	ps/ nm²•km	≤3.0 (1310nm)	2.6-6. (1550n		-	-	-	-	





Ordering Information

Part Number: PC-D4 S D4 S S R L 3.0-5

1 2 3 4 5 6 7 8 9

Connector #1 D4=D4, F=FC, S=SC, T=ST, L=LC, E2=E2000, DN=DIN, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

Connector #2 P=Pigtail (no connector at this end), D4=D4, F=FC, S=SC, T=ST, etc.

Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type S=Simplex, D=Duplex

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

Cable Jacket R=Riser, P=Plenum, L=LSZH

Representation 3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

9 Cable Length Length in meter, i.e. 5=5m







ESCON FIBER OPTIC PATCH CORDS

Description

The ESCON* architecture was developed to improve connectivity between mainframe, its peripherals, and other networks. The connector system is a retractable shroud duplex meeting IBM* requirements.

In addition to basic testing, some mechanical and environmental tests per IEC or Telcordia are also performed periodically to guarantee the best quality. For standard patch cords, sampling check is performed on ferrule geometry to ensure high percentage of polished connectors meeting GR-326



requirements. For premium grade, ferrule geometry is tested on all patch cords to meet these GR-326 requirements.

Other than standard single mode and multimode fibers, OM2, and OM3 fibers are also available upon request. Flame retardant grade cable sheathing options are offered. Riser rated cable will be provided as standard. LSZH and Plenum can be provided upon request

*ESCON and IBM are trademarks of International Business Machines Corp.

Features

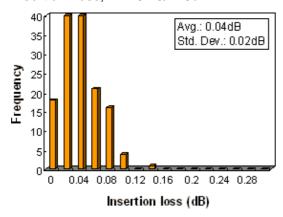
- Push-pull latching mechanism
- Polarized housing with retractable shroud
- Compatible with IBM ESCON architecture
- Materials meet RoHS requirements
- Riser, Plenum, and LSZH cables available

Applications

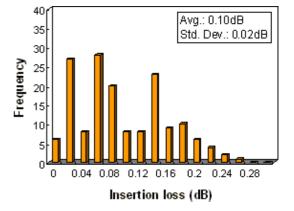
- IBM networks
- Peripheral control
- Storage devices
- Workstations

Optical Performance Distribution

Insertion Loss, MM 62.5/125um



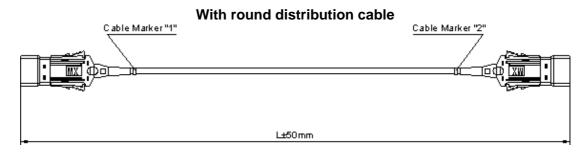
Insertion Loss, SM 9/125um PC

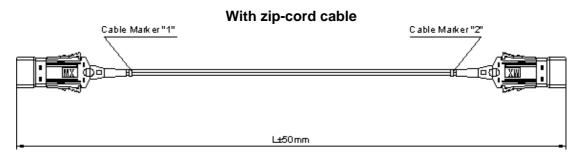


^{*} Typical performance chart and actual data may vary from lot to lot.

Pacific Interconnections • www.pacificinterco.com • 425-2779527

Characteristics	Unit	Value/	Perforr	nance	Comme	ents		
		S	М	ММ				
		SPC	UPC					
Basic								
Insertion Loss (IL)	dB		≤0.3		IEC 613	300-3-4		
Return Loss (RL)	dB	<u>≥</u> 45	≥50	≥23	IEC 613	300-3-6		
Endurance	dB	1	∆IL <u><</u> 0.2		1	300-2-2, couplir very 25 cycles	ng and uncoupl	ing 500 cycles,
Operating Temperature	°C	-2	20 ~ +7	0				
Storage Temperature	°C	-4	40 ~ +7	0				
Ferrule end-face geom	etry				•			
Radius of Curvature (R)	mm	7-	25	NA	Telcord	ia GR326(4.4.5	5)	
Apex Offset	um	_≤!	50	NA	Telcord	ia GR325(4.4.5	5)	
Fiber Protrusion	nm	_≤	50	NA	Telcord	ia GR326(4.4.5	5)	
Fiber Under Cut	nm	<u><</u> 1 @R=	125 :7-10	NA		ia GR326(4.4.5 R ³ +1.3R ² -31R+		
Mechanical		ı						
Drop	dB	1	∆IL <u><</u> 0.2		IEC 613	300-2-12, 1.5m	, 5 drops, no da	ımage
Vibration	dB	1	∆IL <u><</u> 0.2	1	IEC 613 hrs/axis	300-2-1, 10-55h	Hz, 0.75mm am	plitude, 0.5
Flex	dB	1	∆IL <u><</u> 0.2			ia GR326(4.4.3 n or larger cable		°, 100cycles,
Twist	dB	1	∆IL <u><</u> 0.2			ia GR326(4.4.3 es, for 2mm or l		d, <u>+</u> 2.5 turns,
Pull Proof	dB	1	∆IL <u><</u> 0.2		Telcordia GR326(4.4.3.4), 3.4kg at 90°, 6.8kg at 0° for 2mm or larger cable			
Coupling strength	dB	1	∆IL <u><</u> 0.2		IEC 613	300-2-6, 4.2kg,	2min	
Static Bending	dB	4	∆IL <u><</u> 0.2		IEC 794	1-1-2, 60mm dia	ameter 10 turns	3
Crushing	dB	1	∆IL <u><</u> 0.2		IEC 794 for 900r	1-1-2, 102kg for n cable	2mm or larger	cable, 10.2kg
Environmental		•						
Cold	dB		∆IL <u><</u> 0.2		IEC 613	300-2-17, -20°C	c, 96 hrs	
Dry Heat	dB	1	∆IL <u><</u> 0.2		IEC 613	300-2-18, 70°C	, 96 hrs	
Damp Heat	dB		ΔIL <u><</u> 0.2		IEC 613	300-2-19, 40°C	, 95%RH, 96 hr	'S
Transmission	-							
Characteristics	Unit	G65	2 SM	Std.	50um	62.5um	OM2	ОМЗ
Max. Attenuation	dB/km (nm)		/0.3 /1550)	1	2.8 350)	3.0 (850)	2.8 (850)	2.8 (850)
Min. Bandwidth	MHz•km (nm)		_	1	0/500 0/1300)	200/200 (850/1300)	750 (850)	2000 (850)
Dispersion Coefficient	ps/ nm ² •km	_	3.0 0nm)				-	





Ordering Information

Part Number: PC-ESC P ESC P X K R 4.8-6

1 2 3 4 5 6 7 8 9

Connector #1 ESC=ESCON, S=SC, F=FC, T=ST, L=LC, MR=MTRJ, etc.

Finish 1 or Gender 1 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male

Connector #2 P=Pigtail (no connector at this end), ESC=ESCON, T=ST, MR=MTRJ, etc.

4 Finish 2 or Gender 2 S=SPC, U=UPC, A=APC, P=PC; for MTRJ, F=Female, M=Male, T=Pigtail

5 Cable Type D=Duplex Straight, X=Duplex Reverse

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3

7 Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 4.8=Ø4.8mm, 3.0=Ø3.0mm, etc.

9 Cable Length Length in meter, i.e. 6=6m







BICONIC FIBER OPTIC PATCH CORDS

Description

The BICONIC connectors used on our patch cords consist of cone-shaped polymer ferrules that help to align the fibers in connection interfaces. The ferrules incorporate the latest in precision molding technique to yield fractional dB loss. Their rugged design allows the BICONIC connectors to be used in military applications.

Flame retardant grade cable sheathing options are offered. Riser rated cables will be provided as standard. LSZH and Plenum can be provided upon request.



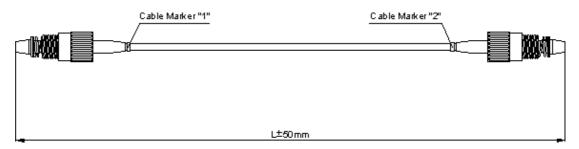
Features

- Dual conical surfaces
- High quality Polymer ferrules
- Precision molding
- Riser, Plenum, and LSZH cables available

Applications

- LANs
- Data processing systems
- Medical instrument
- Remote sensing

Characteristics	Unit		Value / Performance	9
		SM	MM 50um	MM 62.5um
Basic				
Insertion Loss (IL)	dB		<u><</u> 1	
Return Loss (RL)	dB	<u>></u> 35	>	20
Endurance (500 remates)	dB		ΔIL <u><</u> 0.5	
Operating Temperature	°C		-10 ~ +60	
Storage Temperature	°C		-40 ~ +70	
Axial Pull for jacketed cable	N		100	
Transmission				
Max. Attenuation	dB/km (nm)	0.4/0.3 (1310/1550)	2.8 (850)	3.0 (850)
Min. Bandwidth	MHz•km (nm)	-	500/500 (850/1300)	200/200 (850/1300)
Dispersion Coefficient	ps/ nm ² •km	≤3.0 (1310nm)	-	-



Ordering Information

Part Number: PC-BC P BC P S K R 3.0-6

1 2 3 4 5 6 7 8 9

Connector #1 BC=BICONIC, S=SC, F=FC, T=ST, L=LC, E2=E2000, DN=DIN, M=MU,

MR=MTRJ, etc.

2 Finish 1 S=SPC, U=UPC, A=APC, P=PC

Connector #2 P=Pigtail (no connector at this end), BC=BICONIC, S=SC, F=FC, T=ST,

etc.

4 Finish 2 S=SPC, U=UPC, A=APC, P=PC, T=Pigtail

5 Cable Type S=Simplex, D=Duplex Straight, X=Duplex Reverse

6 Fiber R=SM(G652), K=62.5um, C=50um, B=OM2, A=OM3, W=SM(G655)

7 Cable Jacket R=Riser, P=Plenum, L=LSZH

8 Cable Diameter 3.0=Ø3.0mm, 2.0=Ø2.0mm, 0.9=Ø0.9mm, etc.

9 Cable Length Length in meter, i.e. 6=6m



