



SC Patch-Cord

SC MM/SM



APPLICATIONS

CATV	Active device termination	Telecommunication networks
Metro	Local Area Networks (LANs)	Data processing networks
Test equipment	Premise installations	Wide Area Networks (WANs)

AVAILABILITY

Simplex/Duplex patch-cord available	Fan-out available
Pigtail available	Various boot (cable) sizes available

FEATURES

Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: Telcordia GR-326-CORE	

SPECIFICATIONS

	Single mode	Multimode
Insertion Loss	≤0.12dB	≤0.25dB
Return Loss	≥51 dB (PC) ≥65 dB (APC)	
Repeatability	≤0.1	
Durability	≤0.2 dB typical change, 1000 matings	
Interchangeability	≤0.2dB	
Tensile strength		
Operating Temperature	-40 to + 85° C	-40 to + 85° C

ORDER INFORMATION

Type	Single Mode	Multimode	
Connector Color	Beige	Blue	Green
Boot (cable) Size	0.9mm	2.0mm	3.0mm
Boot Color	Beige	Blue	Green
Fiber Type	9/125 μ m	50/125 μ m	62.5/125 μ m
Cable number	Simplex, Duplex, Fan-out (4f,8f,12f)		
Application	PC/UPC/APC		
Length	Customized		

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FC Patch-Cord



APPLICATIONS		
CATV	Active device termination	Telecommunication networks
Metro	Local Area Networks (LANs)	Data processing networks
Test equipment	Premise installations	Wide Area Networks (WANs)

AVAILABILITY	
Simplex/Duplex patch-cord available	Fan-out available
Pigtail available	Various boot (cable) sizes available

FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: Telcordia GR-326-CORE	

SPECIFICATIONS		
	Single mode	Multimode
Insertion Loss	$\leq 0.25\text{dB}$	$\leq 0.25\text{dB}$
Return Loss	$\geq 50\text{ dB (PC)}$ $\geq 65\text{ dB (APC)}$	
Repeatability	≤ 0.1	
Durability	$\leq 0.2\text{ dB typical change, 1000 matings}$	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$>10\text{kg}$	
Operating Temperature	$-40\text{ to }+85^\circ\text{ C}$	$-40\text{ to }+85^\circ\text{ C}$

ORDER INFORMATION			
Type	Single Mode	Multimode	
Boot (cable) Size	0.9mm	2.0mm	3.0mm
Boot Color	Black	Green	Red
Fiber Type	9/125 μm	50/125 μm	62.5/125 μm
Cable number	Simplex, Duplex, Fan-out (4f,8f)		
Application	PC/UPC/APC		
Length	Customized		

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ST Patch-Cord



APPLICATIONS

Local Area Networks (LANs)	Data processing networks
Instrument	Premise installations

AVAILABILITY

Simplex/Duplex patch-cord available	Fan-out available
Pigtail available	Various boot (cable) sizes available

FEATURES

Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: Telcordia GR-326-CORE	

SPECIFICATIONS

	Single mode	Multimode
Insertion Loss	≤0.12dB	≤0.25dB
Return Loss	≥51 dB	
Repeatability	≤0.1	
Durability	≤0.2 dB typical change, 1000 matings	
Interchangeability	≤0.2dB	
Tensile strength	>10kg	
Operating Temperature	-40 to + 85° C	-40 to + 85° C

ORDER INFORMATION

Type	Single Mode	Multimode	
Boot (cable) Size	0.9mm	2.0mm	3.0mm
Boot Color	Black	Green	Brown
Fiber Type	9/125 μ m	50/125 μ m	62.5/125 μ m
Cable number	Simplex, Duplex, Fan-out (4f,8f,12f)		
Application	PC/UPC/APC		
Length	Customized		





LC Patch-Cord



APPLICATIONS		
Gigabit Ethernet	Active device termination	Telecommunication networks
Video	Multimedia	Industrial
Military	Premise installations	

AVAILABILITY	
Simplex/Duplex patch-cord available	Various boot (cable) sizes available
Pigtail available	LC/PC & LC/APC patch-cord available

FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: Telcordia GR-326-CORE	

SPECIFICATIONS		
	Single mode	Multimode
Insertion Loss	$\leq 0.12\text{dB}$	$\leq 0.25\text{dB}$
Return Loss	$\geq 51\text{dB}$ (PC) $\geq 65\text{dB}$ (APC)	
Repeatability	≤ 0.1	
Durability	$\leq 0.2\text{ dB}$ typical change, 1000 matings	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$>10\text{kg}$	
Operating Temperature	$-40\text{ to }+85^\circ\text{ C}$	$-40\text{ to }+85^\circ\text{ C}$

ORDER INFORMATION			
Type	Single Mode	Multimode	
Boot (cable) Size	0.9mm	2.0mm	3.0mm
Boot Color	Beige	White	Blue
Fiber Type	9/125 μm	50/125 μm	62.5/125 μm
Cable number	Simplex, Duplex.		
Application	PC/UPC/APC		
Length	Customized		

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MU Patch-Cord



APPLICATIONS		
CATV	Active device termination	Telecommunication networks
Video	Local Area Networks (LANs)	Data processing networks
Industrial and medical	Premise installations	Wide Area Networks (WANs)

AVAILABILITY	
Simplex/Duplex patch-cord available	Various boot (cable) sizes available
Pigtail available	MU/PC & MU/APC patch-cord available

FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: NTT-MU hardware compatibility	

SPECIFICATIONS		
	Single mode	Multimode
Insertion Loss	$\leq 0.20\text{dB}$	$\leq 0.25\text{dB}$
Return Loss	$\geq 50\text{ dB (PC)}$ $\geq 65\text{ dB (APC)}$	
Repeatability	≤ 0.1	
Durability	$\leq 0.2\text{ dB typical change, 1000 matings}$	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$>10\text{kg}$	
Operating Temperature	$-40\text{ to }+85^\circ\text{ C}$	$-40\text{ to }+85^\circ\text{ C}$

ORDER INFORMATION			
Type	Single Mode	Multimode	
Boot (cable) Size	0.9mm	2.0mm	3.0mm
Boot Color	Brown	White	Blue
Fiber Type	9/125 μm	50/125 μm	62.5/125 μm
Cable number	Simplex, Duplex.		
Application	PC/UPC/APC		
Length	Customized		

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MT-RJ Patch-Cord



FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: TIA/EIA 568-A compliant	

APPLICATIONS		
CATV, and Multimedia	Active device termination	Telecommunication networks
Gigabit Ethernet	Interconnection for O/E modules	Data processing networks
Industrial and medical	Premise installations	Optical switch interframe connection
Asynchronous Transmission Mode (ATM)		

SPECIFICATIONS		
	Single mode	Multimode
Insertion Loss	≤0.20dB	≤0.25dB
Return Loss	≥45 dB (PC)	
Repeatability	≤0.1	
Durability	≤0.2 dB typical change, 1000 matings	
Interchangeability	≤0.2dB	
Tensile strength	>10kg	
Operating Temperature	-40 to + 85° C	-40 to + 85° C

ORDER INFORMATION		
Type	Single Mode	Multimode
Connector Code	Male	Female
Boot (cable) Size	0.9mm	2.0mm
Boot Color	Black	Beige
Fiber Type	9/125 μ m	50/125 μ m 62.5/125 μ m
Cable number	Simplex, Duplex	
Application	PC/UPC/APC	
Length	Professional	Customized

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DIN Patch-Cord



AVAILABILITY	
Simplex/Duplex patch-cord available	Fan-out available
Pigtail available	MU/PC & MU/APC patch-cord available

APPLICATIONS		
CATV	Active device termination	Telecommunication networks
Metro	Local Area Networks (LANs)	Data processing networks
Test equipment	Premise installations	Wide Area Networks (WANs)

FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: Compatible with DIN 47256	

SPECIFICATIONS		
	Single mode	Multimode
Insertion Loss	≤0.20dB	≤0.25dB
Return Loss	≥50 dB (PC) ≥65 dB (APC)	
Repeatability	≤0.1	
Durability	≤0.2 dB typical change, 1000 matings	
Interchangeability	≤0.2dB	
Tensile strength	>10kg	
Operating Temperature	-40 to + 85° C	-40 to + 85° C

ORDER INFORMATION		
Type	Single Mode	Multimode
Boot (cable) Size	0.9mm	3.0mm
Boot Color	Black	Blue
Fiber Type	9/125 μ m	50/125 μ m 62.5/125 μ m
Cable number	Simplex, Duplex.	
Application	PC/UPC/APC	
Length	Customized	





D4 Patch-Cord



D4 SM

APPLICATIONS	
Telecommunication networks	Local Area Networks (LANs)

FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability

SPECIFICATIONS		
	Single mode	Multimode
Insertion Loss	$\leq 0.20\text{dB}$	$\leq 0.25\text{dB}$
Return Loss	$\geq 50\text{ dB (PC)}$	
Repeatability	≤ 0.2	
Durability	$\leq 0.2\text{ dB typical change, 1000 matings}$	
Interchangeability	$\leq 0.2\text{dB}$	
Tensile strength	$>10\text{kg}$	
Operating Temperature	$-40\text{ to }+85^\circ\text{ C}$	$-40\text{ to }+85^\circ\text{ C}$

ORDER INFORMATION		
Type	Single Mode	Multimode
Boot (cable) Size	0.9mm	3.0mm
Boot Color	Black	Blue
Fiber Type	9/125 μm	
Cable number	Simplex, Duplex.	
Application	PC/UPC/APC	
Length	Customized	

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MPO Patch-Cord



AVAILABILITY	
Various fiber numbers available	Pigtail available

APPLICATIONS		
CATV, and Multimedia	Active device termination	Telecommunication networks
Gigabit Ethernet	Interconnection for O/E modules	Data processing networks
Industrial and medical	Premise installations	Optical switch interframe connect
Asynchronous Transmission Mode (ATM)		

FEATURES	
Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: Telcordia GR-1435-CORE compliant	

SPECIFICATIONS		
	Single mode	Multimode
Insertion Loss	≤0.20dB	≤0.25dB
Return Loss	≥50 dB (PC)	
Repeatability	≤0.1	
Durability	≤0.2 dB typical change, 1000 matings	
Interchangeability	≤0.2dB	
Tensile strength	>10kg	
Operating Temperature	-40 to + 85° C	-40 to + 85° C

ORDER INFORMATION			
Type	Single Mode	Multimode	
Connector Code	Male	Female	
Boot (cable) Size	0.9mm	2.0mm	3.0mm
Boot Color	Beige	Black	Green
Fiber Type	9/125 μ m	50/125 μ m	62.5/125 μ m
Cable number	4-fiber, 8-fiber, 12-fiber		
Application	PC/APC		
Length	Customized		



E2000 Patch-Cord

E2000



APPLICATIONS

CATV, and Multimedia	Active device termination	Telecommunication networks
Sensor system	Interconnection for O/E modules	Data processing networks
Industrial and medical	Premise installations	

FEATURES

Low insertion loss and back reflection loss	Good exchangeability
Good Durability	High temperature stability
Standard: EN 186-270	

SPECIFICATIONS

	Single mode	Multimode
Insertion Loss	≤0.20dB	≤0.25dB
Return Loss	≥55 dB (PC) ; ≥65 dB (APC)	
Repeatability	≤0.1	
Durability	≤0.2 dB typical change, 1000 matings	
Interchangeability	≤0.2dB	
Tensile strength	>10kg	
Operating Temperature	-40 to + 85° C	-40 to + 85° C

ORDER INFORMATION

Type	Single Mode		Multimode
	Connector Color	Beige	Blue
Boot (cable) Size	0.9mm	2.0mm	3.0mm
Boot Color	Beige	Black	Blue
Fiber Type	9/125 μ m	50/125 μ m	62.5/125 μ m
Cable number	Simplex, Duplex		
Application	PC/UPC/APC		
Length	Customized		

Professional

Service

Quality



Honesty

2008

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Multi-fiber Patch Cable



Patch Cable Type:	Fiber type:
Multi-core (12, 24, 48) MPO cable	9/125
Multi-core (12, 24, 48) SC/ST/LC/MU cable	50/125
Multi-core (12, 24, 48) MPO-- SC/ST/LC/MU cable	62.5/125

Fan-out cable size:	Fan-out cable length:
0.9mm	Same length
1.8/2.0mm	Stepped length
2.8/3.0mm	

Cable fiber structure:	Cable jacket:
loose tube	PVC (ROHS approved)
tight buffer	LSZH
ribbon fiber	

Data: SM	Data: MM
Insertion loss: <0.3dB	Insertion loss: <0.3dB
Return loss: >50dB	Return loss: >35dB

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