

SC Connector



Features:

- Ultra low insertion loss and back reflection
- Precision anti-rotation key and corrosion resistant body
- Free-floating ceramic ferrule

The SC connector has been designed to provide non-optical disconnect terminations in a push-pull coupling mechanism. With their pre-assembled one-piece body design and pre-polished ferrules, SC connectors provide quick and economical terminations both in factory and in-the-field settings.

Type	Single Mode			Multi Mode
Polishing Type	PC	UPC	APC	PC
Insertion Loss (dB)	≤ 0.2 (max ≤ 0.3)			≤ 0.25 (max ≤ 0.3)
Return Loss (dB)	≥ 45	≥ 50	≥ 60	≥ 60
Repeatability (dB)	IL ≤ 0.1			IL ≤ 0.1
Operating Temperature °C	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$			
Ferrule Material	Zirconia Ceramic			
Cable Diameter	0.9, 2.0, 3.0 (mm)			

ST Connector



Features:

- Ultra low insertion loss and back reflection
- Ferrule end surface predomined
- High precision alignment
- Bayonet style housing for easy termination
- Free-floating ceramic ferrule

The ST connectors are specially designed screw-on fascination mechanism in the long boot style and provides excellent Kevlar retention without the expense and inconvenience of crimp tools.

Type	Single Mode			Multi Mode
Polishing Type	PC	UPC	APC	PC
Insertion Loss (dB)	≤ 0.2 (max ≤ 0.3)			≤ 0.25 (max ≤ 0.3)
Return Loss (dB)	≥ 45	≥ 50	≥ 60	≥ 60
Repeatability (dB)	IL ≤ 0.1			IL ≤ 0.1
Operating Temperature °C	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$			
Ferrule Material	Zirconia Ceramic			
Cable Diameter	0.9, 2.0, 3.0 (mm)			

LC Connector



Features:

- Ultra low insertion loss and back reflection
- RJ-45 style interface
- Small form factor, 50% of SC
- Durable push/pull latch

The LC connector is smaller easier-to-use fiber connectivity. The LC connector has reduced the space requirements on fiber optic patch panels by 50%. Connectors accommodate 900 micron buffered fiber and 1.6mm and 2.4mm jacketed cable

Type	Single Mode			Multi Mode
Polishing Type	PC	UPC	APC	PC
Insertion Loss (dB)	≤ 0.2 (max ≤ 0.3)			≤ 0.25 (max ≤ 0.3)
Return Loss (dB)	≥ 45	≥ 50	≥ 60	≥ 60
Repeatability (dB)	IL ≤ 0.1			IL ≤ 0.1
Operating Temperature °C	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$			
Ferrule Material	Zirconia Ceramic			
Cable Diameter	0.9, 2.0, 3.0 (mm)			

FC Connector



Features:

- Ultra low insertion loss and back reflection
- Ferrule end surface predomed
- High precision alignment
- Bayonet style housing for easy termination
- Free-floating ceramic ferrule

FC optical fiber connectors are specifically designed for telecommunication applications. The pre-assembled, one-piece body design and the pre-polished ferrules provide quick and economical terminations both in factory and in-the-field settings. Connector mating is achieved by using bulkhead feed-through adapters. These adapters combine a metal housing and either a precision zirconia ceramic or a rugged phosphor bronze sleeve.

Type	Single Mode			Multi Mode
Polishing Type	PC	UPC	APC	PC
Insertion Loss (dB)	≤ 0.2 (max ≤ 0.3)			≤ 0.25 (max ≤ 0.3)
Return Loss (dB)	≥ 45	≥ 50	≥ 60	≥ 60
Repeatability (dB)	IL ≤ 0.1			IL ≤ 0.1
Operating Temperature °C	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$			
Ferrule Material	Zirconia Ceramic			
Cable Diameter	0.9, 2.0, 3.0 (mm)			

MTRJ Connector



Features:

- Ultra low insertion loss and back reflection
- Ferrule end surface predomed
- High precision alignment
- Bayonet style housing for easy termination
- Free-floating ceramic ferrule

The MTRJ connector was developed to meet growing customer demands for smaller, lower cost, and easier-to-use fiber optic connectivity. The MTRJ reduces the space required on panels, wall plates and in closets by 50% throughout the network.

Type	Single Mode	Multi Mode
Insertion Loss (dB)	≤ 0.2 (max ≤ 0.3)	≤ 0.25 (max ≤ 0.3)
Return Loss (dB)	≥ 45	
Durability	< 0.1 dB typical change, 200 Matings	
Operating Temperature °C	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$	
Cable Diameter	126.0 ± 1 / -0	



LC Connector

IFC -

CONNECTOR		FIBER TYPE	



ST Connector

CONNECTOR 1	FIBER TYPE
LC	OS1 9/125
MT	OM1 62.5/125
ST	OM2 50/125
SC	OM3 50/125
	OM4 50/125



SC Connector

PART NUMBER ORDERING EXAMPLE:

IFC -

CONNECTOR 1		FIBER TYPE	
S	C	OS	1

Which Represents: IFC-SC-OS1

IVEONET Fiber Optic Connector - SC 9/125 Single Mode



MTRJ Connector

Iveonet™ Products are now part of Nivox Technologies™



email: marketing@iveonet.com
www.iveonet.com

email: info@nivoxtech.com
www.nivoxtech.com

Nivox Technologies, No: 401B, 4th Floor, Nugen Residency,
105, Dollars Scheme, Nandini Layout, Bangalore - 560096
India

Specifications are subject to change without notice.
Iveonet, Nivox Technologies and the logos are registered
trademarks of Nivox Technologies.

© 2014 Iveonet. All rights reserved.