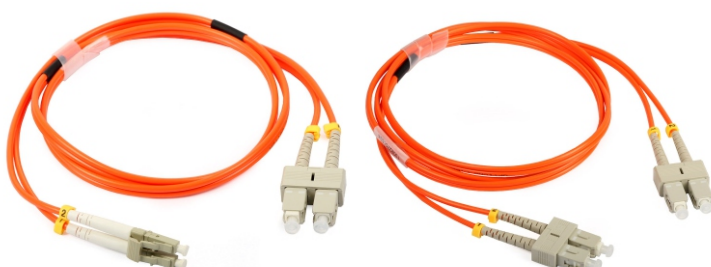




OS1 - Single mode Fiber Patch Cords



OS1 - Single mode Fiber Patch Cords - APC



OM2 - Multi mode Fiber Patch Cords



OM3 / OM4 - Multi mode Fiber Patch Cords

Description

Iveonet™ provides an extensive line of high performance fiber assemblies. All Iveonet™ fiber optic patch cable (IFPC) are fully inter-matable with any standard coupling adapter products and deliver high stability under a range of application conditions. All Iveonet™ cable assemblies are designed to comply with the following standards: ISO / IEC / ANSI / TIA/EIA / TELECORDIA / ICEA for performance and reliability.

Features:

- ♦ ISO certified laboratory
- ♦ 100% factory tested on optical performance
- ♦ End-face geometry requirement comply to Telcordia standard
- ♦ Factory Polished
- ♦ APC connector type available
- ♦ Available in Single mode OS1 (9/125) and OS2
- ♦ Available in Multimode OM1, OM2, OM3 and OM4 (62.5/125, 50/125)
- ♦ Compliant with RoHS
- ♦ Cable outer jacket available in OFNR / (LSZH)
- ♦ Customer specified length

Mechanical Characteristics

Cable O.D.	2.0mm +/- 0.1mm
	4.1mm +/- 0.2mm
Buffer Diameter	900μ
Primary Coating	245μ
Strength Member	Aramid Yarn
Jacket Material	LSOH / LSZH / PVC
Minimum Bend Radius	Install: 3.0cm
Long Term Bend Radius	2.0cm
Operating Temperature	-40°C to +85°C

Multi mode Fiber Patch Cords

Designation	Core OD (um)	Cladding OD (um)	Attenuation @ 850nm (dB/km)	Attenuation @ 1300nm (dB/km)	Min Bandwidth @ 850nm (Mhz/km)	Min Bandwidth @ 1300nm (Mhz/km)
OM1	62.5	125 ± 1	3.5	1.0	200	500
OM2	50	125 ± 1	3.5	1.5	500	500
OM3	50	125 ± 1	3.5	1.5	2000 a 1500 b	500
OM4	50	125 ± 1	3.5	1.5	4700 - DMD 1500 - OFL	500

Single mode Fiber Patch Cords

Designation	Cladding OD (um)	Mode Field Dia	Max Attenuation	Cut Off Wave Length	Max Dispersion @ 1310nm	Max Dispersion @ 1550nm	Zero Disp Wave
OS1 / OS2	125 ± 0.7	9.0 μ ± 0.4 μ @ 1310nm	0.4dB/Km over range 1310nm to 1625nm	1260nm max	3.2 psec/nm-km	18 psec/nm-km	1300-1324nm

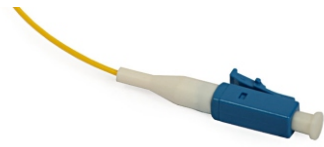
Optical Performance

MM (1300nm)					
	FC	SC	LC	ST	MTRJ
Insertion Loss	0.30	0.30	0.30	0.30	0.5
Return Loss	N/A	N/A	N/A	N/A	N/A
SM (1300nm & 1550nm)					
	FC	SC	LC	ST	MTRJ
Insertion Loss	0.30	0.30	0.30	0.30	0.5
Return Loss	-50.0	-50.0	-50.0	-50.0	-30.0
SM APC (1300nm & 1550nm)					
	FC	SC	LC	ST	
Insertion Loss	0.30	0.30	0.30	0.30	
Return Loss	-60.0	-60.0	-60.0	-60.0	
Cable Color					
OS1 / OS2	OM1	OM2	OM3	OM4	
9/125	62.5/125	50/125	50/125 10Gig	50/125 40 Gig	
Yellow	Orange	Grey	Aqua	Aqua	



Fiber Optic Patch Cable

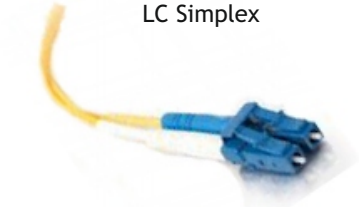
Ordering Information



LC Simplex

IFPC -

CONNECTOR 1	CONNECTOR 2	FIBER TYPE	CABLE TYPE	CABLE LENGTH



LC Duplex



SC Connector



ST Connector



MTRJ Connector



FC Connector

CONNECTOR 1		CONNECTOR 2		FIBER TYPE		CABLE TYPE		CABLE LENGTH	
LC	MT	LC	MT	OS1	9/125	SX	SIMPLEX	03	20
ST	SC	ST	SC	OM1	62.5/125	DX	DUPLEX	05	30
FC	FC	FC	FC	OM2	50/125			10	50
				OM3	50/125			15	90
				OM4	50/125				

PART NUMBER ORDERING EXAMPLE:

IFPC -

CONNECTOR 1	CONNECTOR 2	FIBER TYPE	CABLE TYPE	CABLE LENGTH
L	C	OS	D	03

Which Represents: IFPC-LC-LC-OS1-DX-03

IVEONET Fiber Optic Patch Cord with LC-LC Connector - 9/125 Single Mode - Duplex
Length: 03 Mtrs

For APC Connectors:
LC-A : LC APC Connector
SC-A : SC APC Connector

Iveonet™ Products are now part of Nivox Technologies™



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