Standard Patch Cords

Fiberyo provides a complete line of high performance fiber optic cable assemblies, based on our quality connector kits, zirconia ferrules and cables, they are fully covering SC, FC, ST, LC, MU, MT-RJ, E-2000, Din, D4 connector termination, with PC(physical contact), UPC(Ultra physical contact), APC(Angled physical contact) connector polishing. The Simplex/Duplex patch cords are designed to interconnect or cross connect fiber networks within structured cabling systems, comply with industry standards for optical, mechanical and environmental performance. Available with a wide variety of connector, fiber and cable types at virtually any length, our jumpers can be customized for your unique applications.
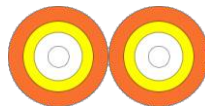
Fiberyo simplex/duplex patch cords have Premium Level and Standard Level of two quality levels, the Premium Level patch cords with higher performance and custom options. The Standard Level Patch Cords are a cost-competitive solution that meets or exceeds all industry standards. Both of them are under a fast delivery service.

■ Features

- Low insertion and back reflection loss
- 3.0mm, 2.0mm, 1.6mm, and 900μm cable diameter available
- OS2, OM1, OM2, OM3, and OM4 fiber options
- RoHS compliant–Riser, Plenum, and LSZH rated cables available

- All patch cords are pre-labeled and individually bagged
- All patch cords are 100% tested
- Custom configurations and packages are available upon request
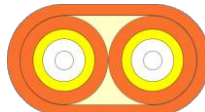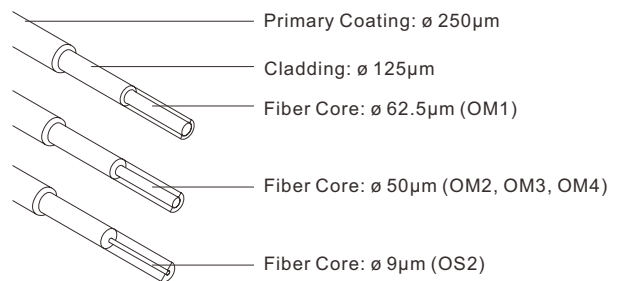- Standard: Telcordia GR-326-CORE

Simplex Cable

Duplex Zipcord Cable

Duplex Round Cable

Duplex Flat Cable

Primary Coating: ø 250μm

Cladding: ø 125μm

Fiber Core: ø 62.5μm (OM1)

Fiber Core: ø 50μm (OM2, OM3, OM4)

Fiber Core: ø 9μm (OS2)

■ Specification

Item	Singlemode		Multimode		Standard Reference
Insertion Loss	Standard	≤0.12dB Typical, 0.3dB Max.	Standard	≤0.15dB Typical, 0.4dB Max.	IEC 61300-3-4 at λ=1310nm & 1550nm (850nm, 1300nm for MM)
Return Loss	Standard	≥50dB (PC), ≥60dB (APC)	Standard	≥30dB	
Durability	≤0.1dB typical change, 500 matings*				-
Operating Temperature	-40°C to +75°C		-40°C to +75°C		-
Cable Color (Standard)	SM=Yellow		OM1, OM2=Orange, OM3, OM4=Aqua		-

*The above Specifications were obtained by using Fiberyo recommended products and procedures.
*MT-RJ is only available with Duplex Zipcord; 250μm and 900μm cable is only available for simplex;
*Violet cable color is mostly for OM4 fiber and upon request.

SC/UPC-SC/UPC SM Duplex 3.0mm

SC/APC-SC/APC SM Simplex 3.0mm

SC/UPC-SC/UPC SM Duplex 3.0mm

FC/UPC-FC/UPC SM Simplex 3.0mm
(With Standard Boot)

FC/UPC-FC/UPC SM Simplex 3.0mm
(With Rubber Boot)

ST/UPC-ST/UPC SM Duplex 3.0mm

LC/UPC-LC/UPC SM Duplex 2.0mm
(With White Boot)

LC/UPC-LC/UPC OM3 Duplex 3.0mm
(With Red/Black Boot)

LC/UPC-LC/UPC OM3 Duplex 2.0mm
(All Aqua Connector Kits)

MU/UPC-MU/UPC SM Simplex 2.0mm

MTRJ/F-MTRJ/F MM Duplex 1.8mm
(With Flat Boot)

LC/UPC-E2000/APC SM Duplex 2.0mm

■ Default Cable Jacket Color

Fiber Type	Jacket Color
OS2 Singlemode 9/125μm	Yellow
OM1 Multimode 62.5/125μm	Orange
OM2 Multimode 50/125μm	Orange
OM3 Multimode 50/125μm	Aqua
OM4 Multimode 50/125μm	Aqua or Violet

■ Fire Retardant fiber optic cables

Abbreviation	Fire Retardant Rate
OFNR	Optical Fiber, Nonconductive, Riser
OFNP	Optical Fiber, Nonconductive, Plenum
LSZH	Low Smoke Zero Halogen

*Special jacket color available upon request, please contact with your sales representative for more details.

Patch Cords		1st Termination				2nd Termination				Fiber Type	
Standard	JS	SC/UPC	SU	MT-RJ/Female	JF	SC/UPC	SU	MT-RJ/Female	JF	OS2	9
		SC/APC	SA	MT-RJ/Male	JM	SC/APC	SA	MT-RJ/Male	JM	OM1 62.5/125	1
		FC/UPC	FU	E2000/PC	EP	FC/UPC	FU	E2000/PC	EP	OM2 50/125	2
		FC/APC	FA	E2000/APC	EA	FC/APC	FA	E2000/APC	EA	OM3 50/125	3
		ST/UPC	TU	DIN/PC	DP	ST/UPC	TU	DIN/PC	DP	OM4 50/125	4
		LC/UPC	LU	DIN/APC	DA	LC/UPC	LU	DIN/APC	DA	G.657.A1	7
		LC/APC	LA	D4/PC	D4	LC/APC	LA	D4/PC	D4	G.657.A2	A
		MU/UPC	MU			MU/UPC	MU				

Cable Configuration		Cable O.D.		Cable Jacket		Cable Color		Overall Length		*Customized	
Simplex	S	250μm	0	No Jacket	N	Yellow	Y	1M	010	Reference	R
Duplex Zipcord	D	900μm Tight Buffer	1	PVC(Riser)	P	Orange	O	1.5M	015		
Duplex Round	R	900μm Semi-tight Buffer	S	Plenum	M	Blue	L	…	…		
Duplex Flat	F	900μm Loose Tube	L	LSZH	L	White	W				
		2.0mm	2			Aqua	A				
		3.0mm	3			Pink	P				
		1.6mm	A			Violet	V				
		1.8mm	B			…	…				
		2.4mm	C								
		…	…								

Ordering Example: JS-SASA9S3-LY020

Blue Orange Green Brown Grey White Red Black Yellow Violet Pink Aqua

*Fiberyo uses the standard TIA/EIA-598 color coded fiber. This color code is used for quick and easy identification of individual fibers.

Simplex Pigtails

Fiberyo simplex pigtails are designed for fusion and splicing within structured cabling systems, they are available with singlemode and multimode, complying with industry standards for optical, mechanical and environmental performance. The simplex pigtails are terminated with SC, FC, ST, LC, MU, E-2000, Din, D4 connectors at various cable length and fiber types.

Fiberyo provides simplex pigtails both with Premium Level and Standard Level quality levels, the Premium Level Pigtails with higher performance and custom options. The Standard Level Pigtails are a cost-competitive solution that meets or exceeds all industry standards. Both of them are under a fast delivery service.

■ Features

- Easy strip 900μm buffered fiber
- OS2, OM1, OM2, OM3, and OM4 fiber options
- RoHS compliant–Riser, Plenum, and LSZH rated cables available
- All pigtails can be serialized for traceable

- All pigtails are 100% optical tested
- Custom configurations and packages are available upon request
- Splice protection sleeves and splice cassettes available

■ Specification

Item		Singlemode		Multimode	Standard Reference
Insertion Loss	Standard	≤0.12dB Typical, 0.3dB Max.	Standard	≤0.15dB Typical, 0.4dB Max.	IEC 61300-3-4 at λ=1310nm & 1550nm (850nm, 1300nm for MM)
	Premium	≤0.08dB Typical, 0.2dB Max.	Premium	≤0.10dB Typical, 0.3dB Max.	
Return Loss	Standard	≥50dB (PC), ≥60dB (APC)	Standard	≥30dB	
	Premium	≥55dB (PC), ≥65dB (APC)	Premium	≥35dB	
Durability		≤0.1dB typical change, 500 matings*			-
Operating Temperature		-40ºC to +75ºC		-40ºC to +75ºC	-
Cable Color (Standard)		SM=Yellow		OM1, OM2=Orange, OM3, OM4=Aqua	-

*The above Specifications were obtained by using Fiberyo recommended products and procedures.

SC/UPC SM 0.9mm, Yellow, 1.5M   SC/APC SM 0.9mm, Yellow, 1.5M   LC/UPC SM 0.9mm, White, 1.5M

Pigtails		Termination				Fiber Type	
Standard	JS	SC/UPC	SU	ST/UPC	TU	OS2	9
Premium	JP	SC/APC	SA	E2000/PC	EP	OM1 62.5/125	1
		FC/UPC	FU	E2000/APC	EA	OM2 50/125	2
		FC/APC	FA	DIN/PC	DP	OM3 50/125	3
		LC/UPC	LU	DIN/APC	DA	OM4 50/125	4
		LC/APC	LA	D4/PC	D4	G.657.A1	7
		MU/UPC	MU			G.657.A2	A

Cable O.D.		Cable Jacket		Cable Color		Length		*Customized	
250μm	0	No Jacket	N	Yellow	Y	1M	010	Reference	R
900μm Tight Buffer	1	PVC(Riser)	P	Orange	O	1.5M	015		
900μm Semi-tight Buffer	S	Plenum	M	White	W	…	…		
900μm Loose Tube	L	LSZH	L	Aqua	A				
2.0mm	2	Hytrel	H	Pink	P				
3.0mm	3			Violet	V				
…	…			…	…				

Ordering Example: JS-SA91-PY015