

Standard Fiber Patch Cords

OPTKO 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.

OPTKO 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



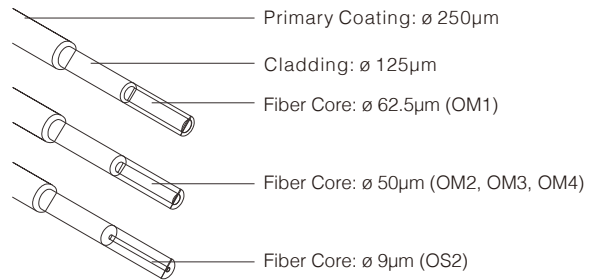
Duplex Zipcord Cable



Duplex Round Cable



Duplex Flat Cable



⊙ Specification

Item	Singlemode		Multimode		Standard Reference
	Standard	≤0.12dB Typical, 0.3dB Max.	Standard	≤0.15dB Typical, 0.4dB Max.	
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 OPTKO 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 Simplex 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.

Fiber Optic Patch Cords		Connector Type		Cable Type							Overall Length		Reference		
FJX	Standard	End 1	End 2	Fiber Type	Fiber Counts	Cable OD	Jacket Type								
FJS	Standard	LU	LC/UPC	9	SM OS2	S	Simplex	0	250um	0	No Jacket	001	1m	R	Reference
FJP	Premium	LA	LC/APC	1	OM1 62.5/125	D	Duplex Zipcord	1	900um	R	OFNR (Riser)	002	2m	...	...
		LW	LC Uniboot(W/P)	2	OM2 50/125	R	Duplex Round	2	2.0mm	P	OFNP (Plenum)	...	...
		LN	LC Uniboot(N/P)	3	OM3 50/125	F	Duplex Flat	3	3.0mm	L	LSZH				
		SU	SC/UPC	4	OM4 50/125			A	1.6mm						
		SA	SC/APC	5	OM5 50/125			B	1.8mm						
		FU	FC/UPC	7	G.657.A1			C	2.4mm						
		FA	FC/APC	A	G.657.A2			...	...				
		TU	ST/UPC	B	G.657.B3										
		EP	E2000/UPC												
		EA	E2000/APC												
		MU	MU/UPC												
		JF	MT-RJ/Female												
		JM	MT-RJ/Male												
													

Ordering Example: FJS-LULU-9D2-L002

Fiber Optic Pigtails

OPTKO 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.

OPTKO 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	-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 OPTKO recommended products and procedures.



SC/APC SM 0.9mm, Yellow, 1.5M



LC/UPC SM 0.9mm, White, 1.5M

Fiber Optic Pigtails	Connector Type		Cable Type										Overall Length		Reference	
	End 1	End 2	Fiber Counts		Cable OD		Fiber Type		Jacket Type	Jacket Color						
FJS Standard	LU	LC/UPC	S	Simplex	0	250µm	9	SM OS2	N	No Jacket	Y	Yellow	001	1m	R	Reference
FJS Premium	LA	LC/APC	X	6-Fiber, Individual	1	900µm Tight Buffer	1	OM1 62.5/125	R	OFNR (Riser)	O	Orange	002	2m	...	...
	SU	SC/UPC	U	12-Fiber, Individual	S	900µm Semi-tight Buffer	2	OM2 50/125	P	OFNP (Plenum)	A	Aqua	010	10m		
	SA	SC/APC			L	901µm Loose Tube	3	OM3 50/125	L	LSZH	V	Violet	...	...
	FU	SC/UPC			2	2.0mm	4	OM4 50/125	H	Hytrel	W	White				
	FA	FC/APC			3	3.0mm	5	OM5 50/125			X	6 Colors				
	TU	ST/UPC			A	1.6mm	7	G.657.A1			T	12 Colors				
	EP	E2000/UPC			B	1.8mm	A	G.657.A2			...	...		
	EA	E2000/APC			C	2.4mm	B	G.657.B3								
	MU	MU/UPC			...	...								
														

Ordering Example: FJS-LA-S19LW-001