

Conventional Patch Cords



Application

- Data centers
- Ethernet applications
- FTTH applications
- Backbone, horizontal and riser applications
- Video, data and voice services
- Test equipment applications

Features

- Precision zirconia ferrules
- Standard or custom configurations
- Multimode and single mode options
- Low back reflection and insertion loss

Standard Compliance

- Connector compliant to IEC 61754
- Optical fiber cable compliant to IEC 60793
- ITU G.657
- Qualified to Telcordia GR-326-Core
- Reach, RoHS and SvHC compliant

General Specification

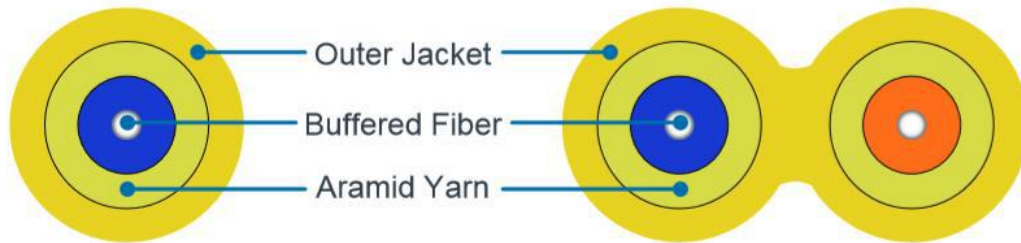
Constructions	Descriptions
Fiber Count	Simplex or Duplex
Fiber Mode	Single mode: 9/125um, OS2/G657 Multimode: 50/125um, OM2, OM3, OM4 62.5/125um, OM1
Fiber Brand	Corning SMF-28® Ultra optical fiber, or ClearCurve bend insensitive optical fiber; Corning ClearCurve multimode optical fiber
Cable Dimension	0.9mm, 2.0mm, 3.0mm or customized
Cable Jacket Ratings	Low Smoke Zero Halogen (LSZH) Riser (OFNR) Plenum (OFNP)
Cable Jacket Color	OS2/G657: Yellow OM3: Aqua; OM4: Aqua / Magenta or Customized
Connector Type	LC, MU, SC, FC, ST, MTRJ, SMA, or others required
Physical Contact	APC, PC, UPC
Connector Color	LC, SC: Green for APC, Blue for UPC, Grey for Multimode, Aqua for OM3, Aqua or Magenta for OM4, or Customized FC, ST, SMA: Metal MTRJ: Black
Boot Color	White/Green/Black/Aqua/Magenta/Grey/ Customized
Operating Temperature	-20 °C ~ +70 °C
Storage Temperature	-40 °C ~ +85 °C

Technical Specification

Optical Properties	Singlemode	Multimode
Insertion Loss (dB) *	UPC ≤ 0.2 APC ≤ 0.3	≤ 0.2
Return Loss (dB)	UPC ≥ 50 APC ≥ 65	≥ 20
Wavelength (nm)	1310/1550	850/1300
Fiber Attenuation (dB/km)	0.35 at 1310nm 0.2 at 1550nm 0.6 at 1300nm	2.3 at 850nm
Transmission Distance	Not defined	OM3: 100m at 40/100G, 300m at 10G OM4: 100m at 40/100G, 550m at 10G

*indicates the insertion loss of connectors mating, fiber attenuation is not included

Typical Cable Construction



Fiber Count	OD (mm)	Nominal Weight (kg/km)	Max. Tension (N)		Max. Crushing Resistance (N/100mm)	
			Short Term	Long Term	Short Term	Long Term
Simplex 1.6	1.6±0.2	2.6	80	40	500	100
Simplex 2.0	1.9±0.2	4.5	100	60	500	100
Simplex 3.0	2.8±0.2	7.5	100	60	500	100
Duplex 1.6	3.4±0.2 x 1.6±0.2	5.3	80	40	500	100
Duplex 2.0	4.0±0.2 x 1.9±0.2	8.7	200	100	500	100
Duplex 3.0	5.8±0.3 x 2.8±0.3	14.8	200	100	500	100

Remark: More cables of other structures and types are available upon request.