Optospan

SIMPLEX FIBER OPTICAL PATCH CABLES
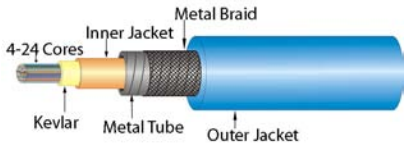
Data Center Performance

Enhanced Data Transfer with Simplex (1 Fiber) Optical Communication

ST-FC

SC-FC

LC-FC

Available Simplex Options:

Bend Insensitive

Patch cables designed with a low Refractive Index (RI) glass layer that will reduce breaks in light dispersion in tight corners or small spaces for extended bandwidth.

Armored

Metal Braid
Inner Jacket
4-24 Cores
Kevlar   Metal Tube   Outer Jacket

Light steel armored cables available to protect fibers in most harsh indoor/outdoor environments.

Other Options
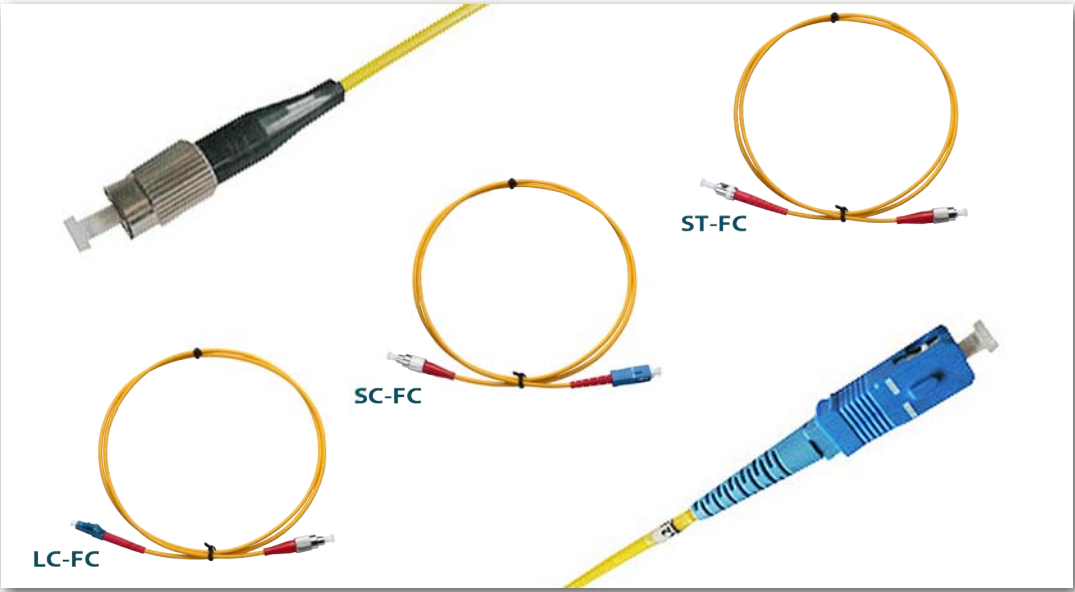
• Standard Coating
• Bare Fiber

Fiber Types

• OS2: 9/125µm, 10G/100G
• G.657.A2: 9/125µm, 10G/100G

Application

Simplex patch cables allow transmitting and receiving data between devices over one line with single strand optical communication.

Regulatory Compliance

- US National Electric Code (NEC) Sec. 770
- UL 1581 and UL 1666
- UL 910(NFPA 262-1994) & GR-409
- JIS C5973 (SC), IEC 60874-14 and TIA/ EIA-604-3A

Specifications

■ Core Diameter	9.2 ± 0.5 µm
■ Cladding Diameter	125 ± 1 µm
■ Attenuation (dB/km)	1310nm ≤ 0.4 1550nm ≤ 0.3
■ Insertion Loss	≤ 0.5 dB
■ Temperature	-20°C~ 60°C
■ Dispersion (Ps/nm.km)	1285~1330nm ≤ 3.5 1550nm ≤ 18.0
■ Zero Dispersion Wavelength (nm)	1300~1324
■ Fiber Cutoff Wavelength (nm)	≤ 1260
■ Coating Diameter	245 ± 10 µm
■ Coating/Cladding Concentricity Error	≤ 12.5 µm

Availability

■ Connectors (Any Combination)	LC, FC, SC, ST, LC/APC, FC/APC, SC/APC
■ Fiber Mode	Single-Mode (Yellow)
■ Core	9/125µm
■ Fiber Coating	Standard, Bend Insensitive, Armored (Light), Bare Fiber
■ Outer Jacket	Riser (PVC), Plenum, None
■ Stock Lengths	1m, 2m, 5m, 10m, 15m, 20m, 25m, 30m, 40m, 50m, 100m, 2km, 5km, 20km, 25km, 40km, 48km