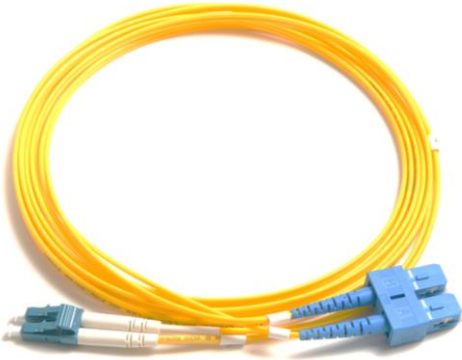
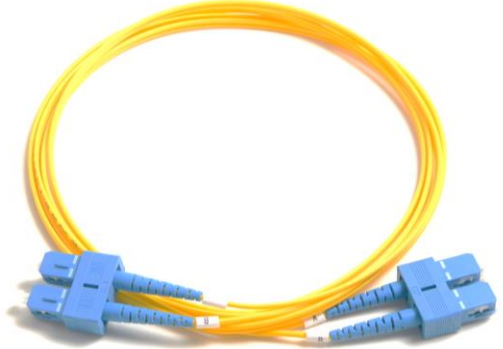


## FIBER OPTIC DUPLEX PATCH CABLE – SINGLE MODE

**TL-SM42DX-03** LC/UPC-SC/UPC Single Mode Duplex  
2.0mm G657A2 PVC 3m (10ft) Fiber Optic Patch Cable



**TL-SM22DX-02** SC/UPC-SC/UPC Single Mode Duplex  
2.0mm G657A2 PVC 2m (7ft) Fiber Optic Patch Cable



**TL-SM22DX-03** SC/UPC-SC/UPC Single Mode Duplex  
2.0mm G657A2 PVC 3m (10ft) Fiber Optic Patch Cable



**TL-SM22DX-04** SC/UPC-SC/UPC Single Mode Duplex  
2.0mm G657A2 PVC 4m (13ft) Fiber Optic Patch Cable



### COMPILED WITH STANDARDS

- ◆ Telcordia GR-326 standard for single mode optical connectors,
- ◆ Telcordia GR-1435 standard for multimode optical connectors,
- ◆ ITU-T G.657.A2/B2 (Superior Bend Insensitive Fiber + ITU-T G.652.D Compliance)
- ◆ ITU-T G.652.D
- ◆ ITU-T G.651.1 (50/125um multimode fiber cable)



## DATA PARAMETERS

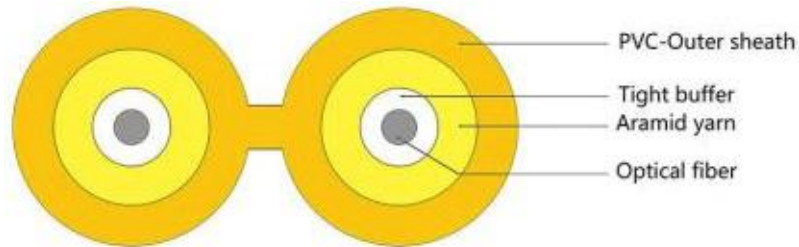
Parameter	PC	UPC	APC	Multi-mode
<b>Single Mode</b>				
Operating Wavelength	1310nm, 1550nm		850nm, 1300nm	
Insertion loss	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
Return loss	>40dB	>50dB	>60dB	/
Fiber Type	G652D/G65A1/G657A2		OM2/OM3/OM4	
Exchange	≤0.2dB			
Repeatability	≤0.2dB			
Service life	>1000 times			
Connectors Type	SC, LC, FC, ST			
Cable Type	Simplex/Duplex (Zip cord)			
Sheath Materials	PVC/LSZH			
Loose Sleeve	2.0mm/3.0mm			
Length	Customized			
Tensile strength	>10kg			
Temperature range	-40°C to +85°C			

### Dimensional Specifications - Glass Geometry

Fiber Curl	≥4.0 m radius of curvature
Cladding Diameter	125.0 ± 0.7μm
Core-Clad Concentricity	≤0.5μm
Cladding Non-Circularity	≤0.7%

### Dimensional Specifications - Coating Geometry

Coating Diameter	242 ± 5μm
Coating-Cladding Concentricity	< 12μm



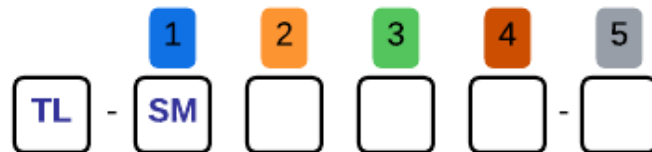
## KEY FEATURES

- 🔥 Flexible cable with good repeatability and sturdy connectors
- 🔥 High Tensile Strength - prevents the cable from breaking and prolongs service life
- 🔥 High Transmission Quality - reduces light loss during cable bending to meet various cabling requirements
- 🔥 Low Attenuation when bent or twisted compared to traditional optical fiber cables
- 🔥 Low Insertion loss and good temperature performance
- 🔥 Easy installation and maintenance of the fiber optic cables

### Environmental Specifications

Environmental Test	Test Condition	Induced Attenuation 1310nm, 1550nm, & 1625nm (dB/km)
Temperature Dependence	-60°C to +85°C*	≤ 0.05
Temperature Humidity Cycling	-10°C to +85°C up to 98% RH	≤ 0.05
Water Immersion	23°C ± 2°C	≤ 0.05
Heat Aging	85°C ± 2°C	≤ 0.05
Damp Heat	85°C at 85% RH	≤ 0.05

## ORDER GUIDE



**1 Fiber Type**  
SM – Single Mode

**2 Connector Type**

- 🔥 1 – SC/APC
- 🔥 2 – SC/UPC
- 🔥 3 – LC/APC
- 🔥 4 – LC/UPC

**4 Connector Strand**

- 🔥 SX – Simplex
- 🔥 DX – Duplex

**5 Length**  
2-digit Length (in meters)

