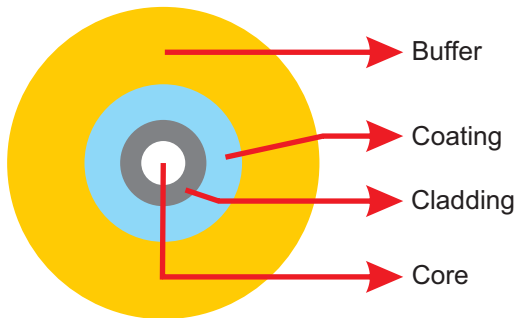


## Patch cords/Pigtails –SC, FC, ST, LC, MTRJ, E2000

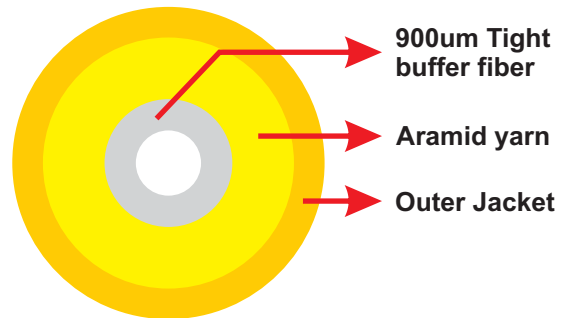
### Connector Type



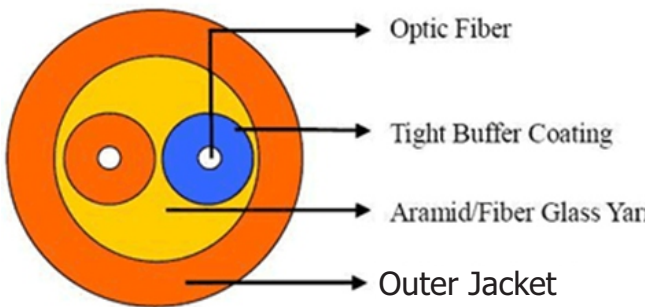
### Cable Type



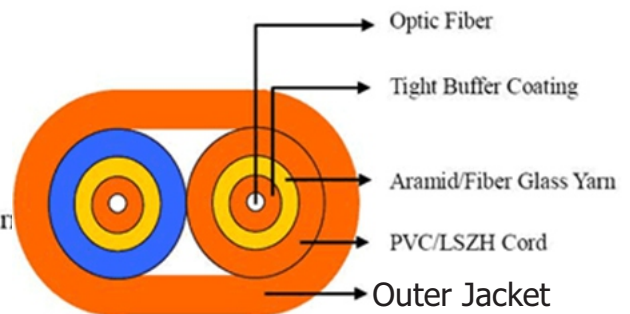
900µm



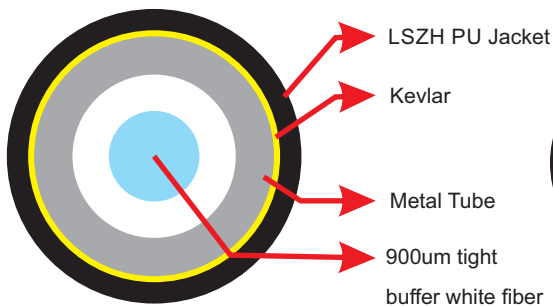
2mm/3mm Simplex



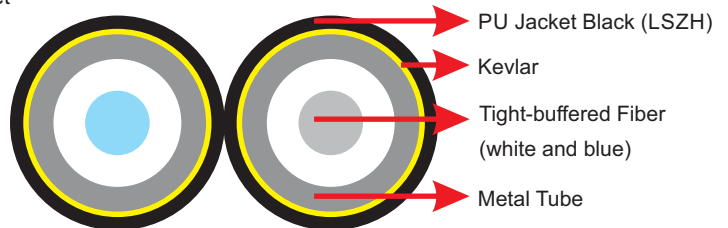
Duplex-Round



Duplex-Flat



Armored Simplex



Armored Duplex

## Fiber Type

- ❖ G652D, G657A1, G657A2, G657B1, G657B2, G657B3,
- ❖ OM1, OM2, OM3, OM4

## Application

- ❖ Fiber to the Home(FTTH)
- ❖ Telecommunication Networks.
- ❖ CATV Networks.
- ❖ Fiber optic test and sensing equipment.
- ❖ Passive optical networks and fiber communication systems.

## Features

- ❖ Uses ceramic ferrules .
- ❖ Stable in environmental and mechanical testing.
- ❖ 100% testing for insertion loss and Back Reflection values
- ❖ Available in different connector options.
- ❖ Compact and Reliable packaging.
- ❖ Available Riser and LSZH grade.
- ❖ Available SM & MM

## Optical Specifications

Connectors -SC, LC, FC, ST, E2000							
Parameters	SM Standard			SM Premium		MM Standard	MM Premium
	(1310,1550nm)			(1310,1550nm)		(850,1300nm)	
	PC	UPC	APC	UPC	APC	PC	PC
IL Values	0.3dB	0.3dB	0.3dB	0.2dB	0.2dB	0.3dB	0.2dB
Back reflection	-50dB	-55dB	-60dB	-55dB	-65dB	-20dB	-35dB

## Geometry Specifications

GEOMETRY REQUIREMENT END FACE GEOMETRY PAPAMETERS			
	SM		
	2.5mm UPC	1.25mm UPC	APC
ROC	10-25mm	7-25mm	5-12mm
APEX OFFSET	0-50um	0-50um	0-50um
FIBER HEIGHT	+50/-100nm	+50/-100nm	+100/- 100nm
ANGLE	NA	NA	8 +/- 0.3Deg
PLANAR	NA	NA	NA

## Standard Compliance

- ❖ **Cable: Telecordia GR-409 Complied**
  - IEC -60793
  - IEC -60794
  - IEC -60322-1
- ❖ **Connector Standards**
  - IEC 61754-04, SC type
  - IEC 61754-13. FC type
  - IEC 61754-20, LC type
  - IEC 61754-6, MU type
  - IEC 61754-18, MTRJ type
  - IEC 61754-15, E2000 type
- ❖ **Termination: Telecordia GR-326 Core issue 3 Complied**
  - **Environmental Tests**
    1. Thermal Age Test (85°C, Uncontrolled RH, 7 Days)
    2. Thermal Cycle Test (-40°C to +75oC, Uncontrolled RH, 7 Days)
    3. Humidity Age Test (75°C and 95% humidity, 7 Days)
  - **Mechanical Tests**
    1. Vibration Test (10 - 55Hz, 1.52mm amplitude, in three axes, 6 hours)
    2. Flex Test (2 lbf load, 180° angle, 100 cycles)
    3. Twist Test (3 lbf load, 9 cycles)
    4. Proof Test (15lbf load (SP), 7.5lbf for side pull, 30 seconds )
    5. Transmission with Applied Tensile Load (2kg load, 3 angles, 40 seconds)
    6. Impact Test (Dropping, 8 impacts)
    7. Durability Test (200 cycles, 3 feet, 4.5 feet, 6 feet, 200 mating )
- ❖ **Testing standards**
  - Insertion loss : IEC 61300-3-4
  - Return loss : IEC 61300-3-6