

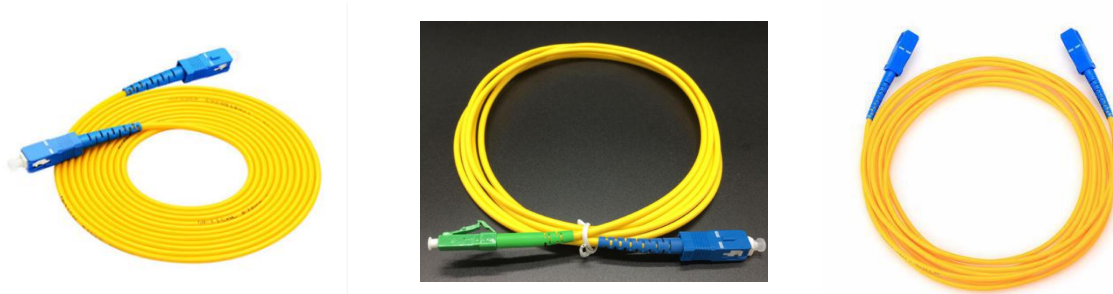
**TECHNICAL DATA SHEET
FOR
OPTICAL FIBER PATCH CORD**

Product: Indoor Optical Patch Cord
Date: Sep 1st, 2020
Authorized by:
Sales Engineer
International Business Dept.



1. Description

A fiber optic patch cord is a fiber optic cable capped at either end with connectors that allow it to be rapidly and conveniently connected to CATV, an optical switch or other telecommunication equipment. Its thick layer of protection is used to connect the optical transmitter, receiver, and the terminal box.



2. Customer Encapsulation Size and type

Item recommendation	Patch Cord
Fiber Core	Simplex
Diameteer (mm)	3.0
Fiber Length(M)	1, 3,5
Input Color	Yellow
Output color	Yellow
Connector type	SC/UPC,SC/APC,LC/UPC,SC/PC
Jacket	LSZH

3. Features

- Low Insert
- Full traceability and test certification supplied with each assembly
- FULtra polish (UPC) supplied as standard and Angle polish (APC) also available
- High return loss and Good repeatability
- All connectors are supplied with ceramic ferrules

4. Applications

- LAN, WAN and Metro Networks
- FTTH project & FTTX Deployments
- CATV System

- GPON, EPON
- Fiber Optic Test Equipment
- Data-base Transmit Broadband Net

5. Compliance

- GR-326-core_Issue_4 2010 Generic Requirements for Singlemode Optical Connectors and Jumper Assemblies
- Telcordia GR-1209-CORE Issue4 2010 Generic Requirements for Passive Optical Components
- Telcordia GR-1221-CORE Issue3 2010 Generic Reliability Assurance Requirements for Passive Optical Components
- GB/T 18311.6-2007
- RoHS

6. Specifications

Table 1 – Patch Cord Simplex

Item	Single mode			Multi mode
	PC	UPC	APC	PC
Fiber Type	G652D, G657A1, G657A2			
Insertion Loss	≤0.3dB	≤0.3dB	≤0.3dB	≤0.3dB
Return Loss	≥50dB	≥55dB	≥60dB	≥35dB
Repeatability	≤0.1dB	≤0.1dB	≤0.1dB	≤0.1dB
Durability (Times)	≥600	≥600	≥600	≥600
Tensile strength(N)	≥55	≥55	≥55	≥55
Operating Wavelength	1310nm,1550nm			
Temperature Stability	Additional Loss≤0.2dB, Return Loss Variability<5dB			

Notes:1.Specified without connectors.

2.Add an additional 0.15dB loss per connector.



7. Test Report

The test report should be provided when the products are delivered. Following characteristic test data should be included:

- Insertion Loss (room temperature)
- Return Loss (room temperature)
- PPN、SN bar code
- According to Customer demands

8. Cable Layout:

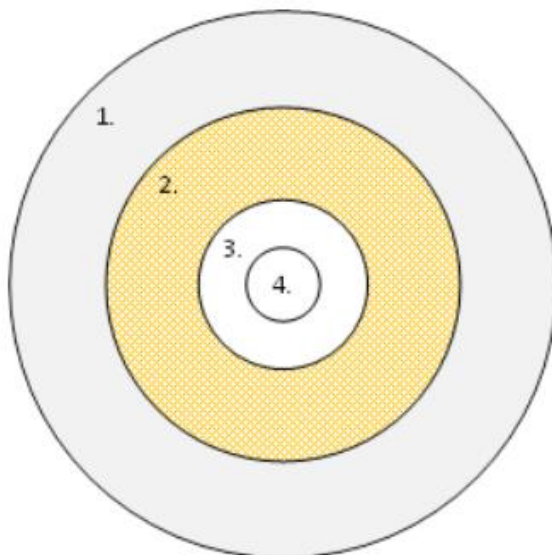


Figure 1: Cable layout

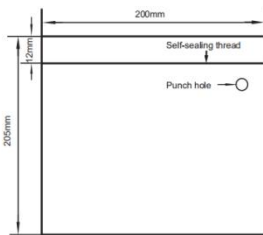


9. Packing and Marking

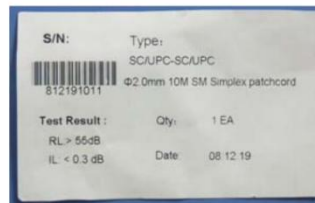
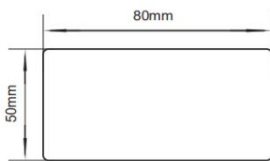
Products should be packaged carefully to prevent damage and characteristic deterioration due to temperature/humidity, mechanical vibration, and shock during transportation. Following items should be indicated on the outer packaging surface:

- Customer Product name
- Model
- Serial number
- *Other customer information such as contract no., project no., and delivery destination. (if needed)*

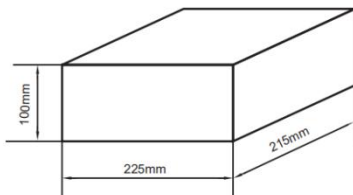
A: Polybag dimension:



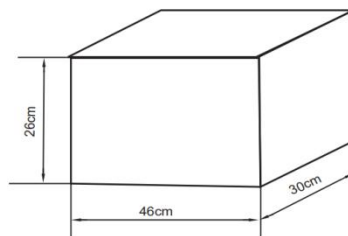
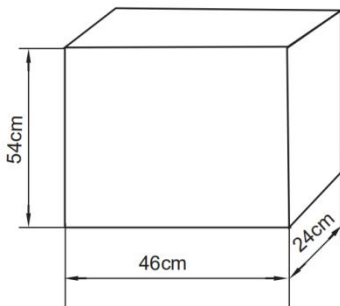
B: Label dimension:



C: Cardboard box:



D: Outer Carton:



(can be customized)

END