

Sales Catalog of HNK Telecommunication Products

Fiber Optic Patch Cord

Retractable Curl/Spiral Simplex Fiber Optic Patch Cord

Our offers a retractable fiber optic patch cord in the form of a spiral structure. It provides flexibility in the places where users require frequent moves and changes of fiber optic connections, and where users need a length variable connection. Also, it can be installed easily in space limited applications.

The diameter of the curl structure is optional, and many of the cable parameters can be custom designed, such as the cable outer diameter and total cable length, connectors type, connectors polish types.



Standards Compliance

- Telcordia (formerly Bellcore) GR-326-CORE Generic requirements for Single mode optical connectors and Jumper assemblies.
- IEC 874-1 Generic specification for fiber optic connectors and cables.
- ANSI/TIA-568-C.3, ISO/IEC 11801 2nd Ed., CENELEC EN 50173, UL94V-0.
- Cable flame resistant rate: OFNR or IEC60332-3 standard.
- ITU-T Recommendation G.657.B3 and the IEC 60793-2-50 type B1.3 Optical Fiber Specification.

Features

- 100% tested on optical performance (insertion loss & return loss).
- PC, UPC, APC connectors polishing type available.
- High concentricity 2.5mm ceramic ferrule for FC, ST, SC connectors and 1.25mm ceramic ferrule for LC and MU connectors.
- Available in 0.9mm, 2.0mm, 3.0mm sizes or customization.
- Extensive elastic range, can adjust length of cable when use.
- Durable stretch and shrink properties, without deteriorating the optical characteristics.
- Used for movable parts of machines and as a connecting cord for instruments.



Mechanical, Environmental & Material Data

Range of Mode	Singlemode G657B3	Cable Type	Simplex
Connector Style	SC, FC, ST, LC, MU, MTRJ, E2000, DIN, D4	Polish or Ferrule Interface Type	PC, UPC, APC
Cable Diameter	0.9mm, 2.0mm, 3.0mm	Outer Jacket	PU (only)
Cable Color	Yellow or customization	Cable Lengths	Customization
Durability	500 cycles (0.2 dB max increase), 1000 mate/demate cycles		
Operating Temp	-25 °C to +70 °C/+85 °C (armoured)	Storage Temp	-40 °C to +85 °C

Optical Performance Data

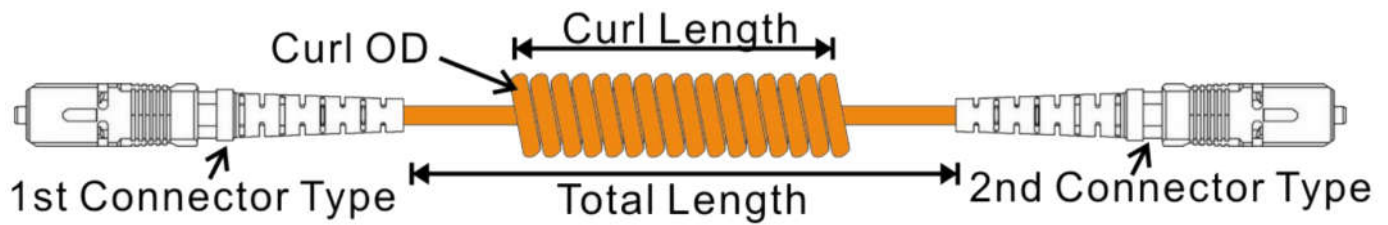
Item	Single mode		
	PC	UPC	APC
Insert Loss	0.2dB Max. (0.15dB typ.)		
Return Loss	≥45 dB	≥50 dB	≥60 dB
Pull Strength	≥98N		

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Mechanical Drawing

The curl diameter, curl length (curl laps) and total length can be custom designed. The total length is point to the length of the cable after straightening.



Ordering Information

Using the available configurations amend/create product codes using the formula below.

Part Number: **RCPC-AA-BB-CDEFGHICL**

Ordering Guide

AA	BB	C	D	E	F
Connector Type	Connector Type	Fiber Type	Fiber Count	Cable Diameter(mm)	Curl Diameter(mm)
FP, SP, SA, LP	FP, SP, SA, LP	G657B3=9/125 G657B3	SX=Simplex	09=0.9mm, 20=2.0mm 30=3.0mm	15=Φ15mm, 18=Φ18mm 20=Φ20mm

G	H	I	CL
Curl Length(cm)	Total Length(cm)	Jacket Materia	Jacket Color (CL)
05=5cm, 15=15cm, 20=20cm	015=150cm, 050=500cm 080=800cm, 100=1000cm	1=PVC, 2=LSZH 3=PE, 4=PU	As noted in color code chart

Connector Type Code

Code	Connector	Code	Connector	Code	Connector	Code	Connector
FP	FC/PC	FA	FC/APC	LP	LC/PC	LA	LC/APC
SP	SC/PC	SA	SC/APC	TP	ST/PC	TA	ST/APC
MU	MU	DN	DIN	MT	MTRJ	E2	E2000

Color Code

BL - Blue	OR - Orange	GR - Green	BR - Brown
GY - Gray	WH - White	RE - Red	BK - Black
YE - Yellow	PU - Purple	PI - Pink	AQ - Aqua

Ordering Sample

Part Number	Description
RCPC-FA-FA-G657B3SX3018150504YE	FC/APC-FC/APC Retractable Curl Fiber Optic Patch Cord, Singlemode G657B3, Simplex, Cable Diameter 3.0mm, Curl Diameter 18mm, Curl Length 15cm, PU Jacket, Yellow, Total Length 5M.