

Sales Catalog of HNK Telecommunication Products

Fiber Optic Patch Cord

Duplex Ruggedized Flat Fiber Optic Patch Cord

Duplex ruggedized flat fiber optic patch cord is made of special structure cable. Duplex ruggedized flat cable use $\Phi 900\mu\text{m}$ flame-retardant tight buffer fiber as optical communication medium, the tight buffer fiber wrapped with a layer of aramid yarn as strength member units, such unit is extruded with a layer of PVC or LSZH material as inner jacket. The cable is completed with a layer of flat PVC or LSZH jacket. Outer/ inner outer jacket and aramid yarn gives more excellent tensile strength, mechanical and environmental protection. Duplex ruggedized flat Patch cord can be used directly in different harsh environment without additional protection.

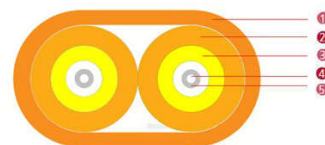
Our offers a wide range of patch cords, designed and manufactured for demanding optical network applications. Patch cord will be produced to different kind of connectors and different length according to the construction need.

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



Cable structure



1	2	3	4	5
Outer Jacket	Inner Jacket	Aramid Yarn	Optical Fiber	Tight Buffer

Features

- 100% tested on optical performance (insertion loss & return loss).
- Standard color is yellow, orange or aqua, other colors available upon request.
- Cable outer jacket available in PVC, Low Smoke Zero Halogen (LSZH).
- PC, UPC, APC connectors type available.
- High concentricity 2.5mm ceramic ferrule for FC, ST, SC and 1.25mm ceramic ferrule for LC and MU.
- Available in G652D, G657A, OM1, OM2, OM3 and OM4 fiber types.

Optical Performance Data

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50/125	50/125 10G
Insert Loss/connector (single Fiber)	0.2dB Max. (0.15dB typ.)			0.3dB Max. (0.25dB typ.)		
Return Loss	≥45 dB	≥50 dB	≥60 dB	N.A		
Pull Strength	≥98N			≥98N		



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Ordering Information

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

Part Number: **RFPC-AA-BB-CDFCL**

Ordering Guide

AA	BB	C	D	F	CL
Connector Type	Connector Type	Fiber Type	Length	Jacket Material	Jacket Color(CL)
FP, SP, SA, LP	FP, SP, SA, LP	OM1=62.5/125 OM1, OM2=50/125 OM2 OM3=50/125 OM3, OM4=50/125 OM4 G652D=9/125 G652D, G657A1=9/125 G657A1	0015=1.5M 0200=20M	1=PVC 2=LSZH	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

Note: Yellow Jacket for SM, Orange Jacket for OM1~OM2, Aqua Jacket for OM3 and Purple Jacket for OM4. (other colors may be available upon request).

Ordering Sample

Part Number	Description
RFPC-SP-LA-G652D00302YE	SC/PC-LC/APC Duplex Ruggedized Flat Fiber Optic Patch Cord, Singlemode G652D, LSZH, Yellow, 3M.