

Sales Catalog of HNK Telecommunication Products

Fiber Optic Patch Cord /Pigtail

Fiber Optic Pre-connectorized Patch Cord /Pigtail

Pre-connectorized fiber optic patch cords /pigtails are made of multi cores breakout tight buffer optical cable. Cable contains individual 900µm fibers with aramid yarn and outer jacket (up to 2.0 mm) and a central strength member which are bundled in an outer jacket. These cables are constructed very high fiber count up to 12 fibers.



patch cord (connected with two ends)



pigtail (only one end connected)

The most practical applications include data center main, horizontal, zone and equipment distribution area trunk cables for Storage Area Network (SAN) and other applications or for fixed lengths in the interbuilding or intrabuilding backbones. Patch cords /pigtails are a custom design product, cable length, jacket types and connectors are with many options. To easily identify the multiple fiber cables, cable outer jacket itself are made with different colors, or put number label to identify.

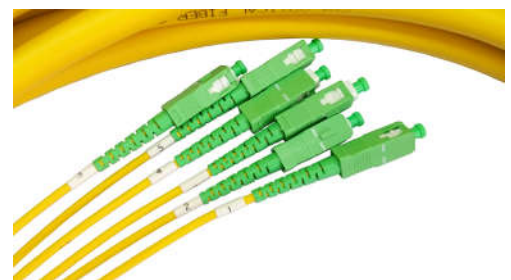
Standards Compliance

- 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

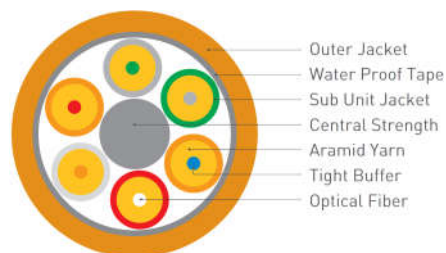


Features

- 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.
- Number label to identify.
- Available in 1.6mm, 2.0mm sizes, customer specified length.



Cable structure



Specification

Fiber Type	OS2, OM1, OM2, OM3, OM4	Fiber Count	4, 6, 8, 12
Cable Type	Breakout Tight Buffer Optical Cable	Fan-out tubing diameter	1.6mm, 2.0mm
Connector	SC, LC, ST, FC, MU, E2000, DIN, D4	Jacket Type	PVC, LSZH
Operating temperature	-40°C to +85°C	Storage temperature	-40°C to +85°C

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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Optical Characteristics

Fiber Type	Max. Attenuation(dB/km)				Min.Overfill Launch Bandwidth (Mhz.km)		Min.Gigabit Ethernet Link Distance (m)		
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	Gigabit		10Gigabit
OM1 62.5/125µm	≤2.7	≤0.6	-	-	≥500	≥600	275	550	-
OM2 50/125µm	≤2.3	≤0.6	-	-	≥500	≥500	750	600	150
OM3 50/125µm	≤2.3	≤0.6	-	-	≥1500	≥500	1000	600	300
OM4 50/125µm	≤2.3	≤0.6	-	-	≥3500	≥500	1100	600	550
G652D 9/125µm	-	-	≤0.30	≤0.18	-	-	-	-	-
G657A 9/125µm	-	-	≤0.35	≤0.21	-	-	-	-	-

Ordering Information

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

Patch Cord Part Number: **PPC-AA-BB-CDEFGHCL** Pigtail Part Number: **PPT-AA-CDEFGHCL**

Ordering Guide

AA	BB	C	D	E
Connector Type	Connector Type	Fiber Type	Fiber Count	Fanout Cable OD
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 G657A=9/125 G657A	4F=4 cores 6F=6 cores 12F=12 cores	16=1.6mm 20=2.0mm

F	G	H	CL
Fanout Cable Length	Total Length	Jacket Materia	Jacket Color (CL)
05=0.5M 10=1M 15=1.5M	0015=1.5M 0200=20M	1=PVC 2=LSZH 3=PE	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

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
PPC-TP-TP-OM14F200502002OR	ST/PC-ST/APC Fiber Optic Pre-connectorized Patch Cord, Multimode 62.5/125 OM1, 4 Cores, 2.0mm, LSZH, Orange, Fanout Cable Length 0.5M, Φ2.0mm, Total Length 20M.
PPT-LP-OM312F201010001AQ	12 Cores LC/PC Multimode OM3 Pre-connectorized Fiber Optic Pigtail, Fanout Cable Length 1M, Φ2.0mm, Total Length 100M, PVC Jacket, Aqua.