

Sales Catalog of HNK Telecommunication Products

Fiber Optic Patch Cord

PDLC FTTA Duplex Outdoor Waterproof Armoured Patch Cord

PDLC FTTA (Fiber to The Antenna) duplex outdoor waterproof armoured patch cord is made of all dielectric GJYFJH type fiber optic cable. GJYFJH cable utilizes two simplex sub unit cables and two fillers stranded, and then with an overall $\Phi 7.0\text{mm}$ LSZH outer jacket. The sub unit cable consists of a $900\mu\text{m}$ tight buffer optical fiber in a LSZH inner jacket with aramid yarn. The cable has small diameter, light weight and thick wall jacket protection, giving it versatile applications.

PDLC FTTA outdoor waterproof armoured patch cord assembly is standard size for duplex LC connectors, and the outer housing with protective device. The connecting is safe and reliable. This patch cords widely used in FTTA, base station, and the outdoor waterproof condition.



PDLC Patch Cord (with armored tube)

Complied with or Exceeds Standard

- Telcordia GR-326-CORE generic requirements for single mode optical connectors and jumper assemblies.
- IEC 874-1 generic specification for fiber optic connectors and cables
- Comprehensive wiring standard: ANSI/TIA-568-C.3, ISO/IEC 11801 2nd Ed., CENELEC EN 50173,
- Cable flame resistant rate: OFNR or IEC60332-3 standard
- RoHS compliant directive 2011/65/EU



PDLC Connector Structure

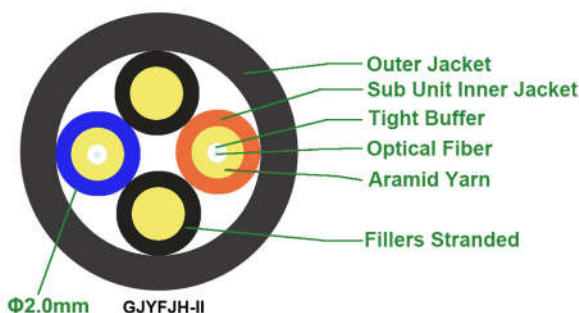
Features

- The cable is soft, flexible, convenient laying.
- Suitable for riser, duct, horizontal and vertical cabling.
- Thick wall outer jacket gives more excellent tensile strength, mechanical, rodent, ultraviolet and environmental protection.
- Standard LC connector with protective outer housing device, strong and durable.
- Hard outer housing seal design, waterproof, dustproof, moisture proof.
- Available in G652D, G657A1, G657A2, OM1, OM2, OM3 and OM4 fiber types.
- Patch cord will be produced to different kind of connectors and different length according to the construction need.
- Optional high tensile strength armoured tube for protecting $\Phi 2.0\text{mm}$ branch cable, custom lengths.



PDLC Connector (SM-LC-PC)

Cable Structure



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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		

Mechanical, Environmental & Material Data

Items	Specifications	Items	Specifications
Fiber Type	Singlemode or Multimode	Connector Type	PDLC, SC, FC, ST, LC
Polish or Ferrule Interface Type	PC, UPC, APC	Cable Lengths	Custom Lengths
Fiber Count	2	Branch Cable Lengths	Custom Lengths
Cable Parameter			
Outer Jacket Material	LSZH	Outer Jacket Color	Black
Outer Jacket Diameter (mm)	7.0±0.1		
Min. Crush (Long term)	500 N/100mm	Min. Crush (Short term)	1000 N/100mm
Min. Tensile Load (Long Term)	200N	Min. Tensile Load (Short Term)	400N
Min. Bend Radius (Static) mm	10D	Min Bend Radius (Dynamic) mm	20D
Sub-unit Parameter			
Sub-unit Color	Orange, Black, Blue	Sub-unit Material	LSZH
Sub-unit Diameter(mm)	2.0±0.1	Strength Member	Aramid yarn
Operating Temperature(°C)	-40°C to 70°C	Storage Temperature(°C)	-40°C to 70°C

Ordering Information

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

Part Number: **PDLC-PC-AA-BB-CDE**

Ordering Guide

AA	BB	C	D	E
Connector Type	Connector Type	Fiber Type	Cable Length	Branch Cable Length
PSA, PSP, PMP, FP, SP, SA, LP	PSA, PSP, PMP, 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, G657A2=9/125 G657A2	003=3M 020=20M 100=100M	02=0.2M 10=1M

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

PDLC Connector Type Code

Code	Connector	Code	Connector	Code	Connector
PSA	PDLC-SM-LC-APC	PSP	PDLC-SM-LC-PC	PMP	PDLC-MM-LC-PC

Ordering Sample

Part Number	Description
PDLC-PC-PSP-LP-G657A102003	PDLC-LC/PC-LC/PC FTTH Duplex Outdoor Waterproof Armoured Patch Cord, Singlemode G657A1, 20M, Branch Cable 0.3M.