

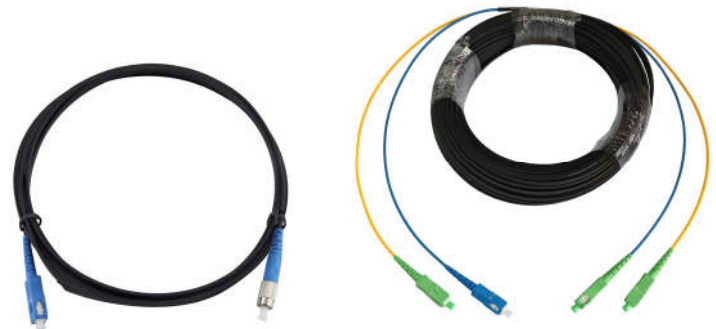
Sales Catalog of HNK Telecommunication Products

Fiber Optic Patch Cord

Drop Cable Patch Cord

Drop Cable is used in high speed and broadband telecommunication applications. It is suitable for both indoor and outdoor applications. The indoor fiber construction comprises of two colored optical fibers, 2 parallel FRP (Fiber Reinforced Plastic) strength members and an LSZH Jacket. The Outdoor Drop Cable construction is similar to the indoor cable, except the cable jacket is made up of a Flame Retardant Black PE and has a steel wire for aerial installations.

These light weight cables are suitable for direct installations in villas and multi dwelling units due to their excellent crush and impact resistance properties.



Simplex

Duplex

Complied with or exceeds Standard

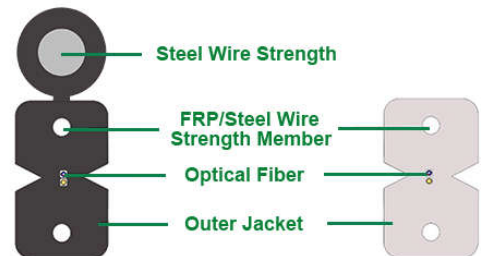
- ITU-T G657A2 (B6) • GR-326-CORE • TIA/EIA-568-C.3
- ANSI/TIA/EIA-455B • RoHS Compliant Directive 2011/65/EU

Features

- Special low-bend-sensitivity G657 fiber provides high bandwidth and excellent communication transmission property.
- Two parallel strength members ensure good performance of crush resistance to protect the fibers.
- Simple structure, light weight and high practicability.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- The strong steel passenger provided good tensile load during aerial application.
- Single steel wire or FRP as additional strength member ensuring good performance of tensile strength.
- Drop cable patch cord will be produced to different kind of connectors and different length according to the construction need.



Duplex (with branching device)



Cable Parameters

Cable Type		GJYXFCH	GJYXCH	GJXFH	GJXH
Fiber Type		G652D, G657A1, G657A2			
Fiber count		1~2			
Outer Jacket	Diameter	(2.0±0.1) x (5.0±0.1) mm		(2.0±0.1) x (3.0±0.1) mm	
	Material	Standard: LSZH		Option: PE or other	
	Color	Standard: Black or White			
Strength Member		FRP	Steel Wire	FRP	Steel Wire
Messenger Wire		Steel Wire	Steel Wire	-	-
Operating Temperature		-40°C to +70°C		Storage Temperature	
				-40°C to +70°C	

Mechanical and Environmental Characteristics

ITEMS	UNITE	GJYXFCH/GJYXCH	GJXH	GJXFH
Min. Tensile Load (Short Term)	N	600	200	80
Min. Tensile Load (Long Term)	N	300	100	40
Min. Crush Load (Short Term)	N/100mm	2200	2200	1000
Min. Crush Load (Long Term)	N/100mm	1000	1000	500
Bend Radius-Dynamic	mm	60mm (G652D), 30mm (G657A1, G657A2)		
Bend Radius-Static	mm	30mm (G652D), 15mm (G657A1, G657A2)		

Note: The minimum bend radius is only applicable to drop cable without messenger wire.



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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		

Optical Characteristics

Charac Teristic	Condition	Unit	G657A2	G657A1	G652D	
Attenuation	1310 nm	[dB/km]	≤0.36		≤0.40	
	1550 nm	[dB/km]	≤0.25		≤0.30	
Zero Dispersion Wavelength		[nm]	1300-1324			
Zero Dispersion Slope		[ps/(nm ² .km)]	≤0.092		≤0.091	
Cable Cutoff Wavelength λ _{cc}		[nm]	≤1260			
Mode Field Diameter (MFD)	1310 nm	[μm]	8.4~9.2		8.7~9.5	
	1550 nm	[μm]	9.3~10.3		9.9~10.9	
Macro Bending Induced Attenuation	10 Turns Around a Mandrel @ 15mm	1550 nm	[dB]	≤0.03	≤0.25	-
	10 Turns Around a Mandrel @ 15mm	1625 nm	[dB]	≤0.1	≤1.00	-
	1 Turn Around a Mandrel @ 10mm Radius	1550 nm	[dB]	≤0.1	≤0.75	-
	1 Turn Around a Mandrel @ 10mm Radius	1625 nm	[dB]	≤0.2	≤1.50	-
	1 Turn Around a Mandrel @ 7.5mm	1550 nm	[dB]	≤0.2	-	-
	1 Turn Around a Mandrel @ 7.5mm	1625 nm	[dB]	≤0.5	-	-

Ordering Information

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

Part Number: **DPC-AA-BB-CDEFGCL**

Ordering Guide

AA	BB	C	D	E	F	G	CL
Connector Type	Connector Type	Fiber Type	Fiber Count	Cable Type	Length	Jacket Materia	Jacket Color (CL)
FP, SP, SA	FP, SP, SA	G652D=9/125 G652D G657A1=9/125 G657A1 G657A2=9/125 G657A2	SX=Simplex DX=Duplex	1=GJXFH 2=GJXH 3=GJYFCH 4=GJYXCH	0015=1.5M 0200=20M	1=LSZH 2=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: standard color is Black or White (other colors may be available upon request).

Ordering Sample

Part Number	Description
DPC-SP-FP-G657A2SX110001WH	SC/PC-FC/PC Drop Cable Patch Cord, Singlemode G657A2, Simplex, GJXFH Cable, LSZH, White, 100M.