

Technical Data Specification

Patchcord, SC/UPC-SC/UPC, GJYXFCH-1B6A1



All dimensions are in mm

Description

This product is an optical single mode G657A1 patchcord with SC/UPC connector at both ends. And the connector ferrule is made of Zirconia. Other type connector can be customized.

Cable construction: GJYXFCH-1B6A1 bow-type drop cable.

Available Variants

Type

SC/UPC-SC/UPC-GJYXFCH-1B6A1-XXm
 SC/UPC-SC/UPC-GJYXFCH-1B6A1-150m
 SC/UPC-SC/UPC-GJYXFCH-1B6A1-200m
 SC/UPC-SC/UPC-GJYXFCH-1B6A1-250m
 SC/UPC-SC/UPC-GJYXFCH-1B6A1-300m

Length (m)	Tolerances (mm)
$L \leq 10$	+150/0
$10 < L \leq 30$	+300/0
$L > 30$	+1000/0

Parts

Connector Side A	SC/UPC, SM, per IEC 61754-4
Connector Side B	SC/UPC, SM, per IEC 61754-4
Cable	LSZH, Black

Optical Characteristics

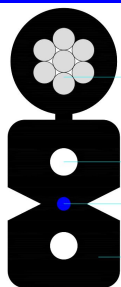
Cable

Fiber type	G657A1
Fiber counts	1 fiber
Cable attenuation	@1310nm ≤ 0.4 dB/km @1550nm ≤ 0.3 dB/km

Cable assembly

Insertion loss	Max. $0.3 \text{ dB} + 0.4 \text{ dB/km} \times L(\text{km})$ @1310nm Max. $0.3 \text{ dB} + 0.3 \text{ dB/km} \times L(\text{km})$ @1550nm According to IEC 61300-3-4 Method B
Return Loss	Min. 50dB @1310&1550nm According to IEC 61300-3-6

Cable Section



Messenger member

Strength member

Optical fiber

Outer sheath

Cable Constructions(GJYXFCH-1B6A1)		
Overall sizes(mm)		(5.0±0.15)x(2.0±0.1)
Sizes without self-supporting(mm)		(3.0±0.1)x(2.0±0.1)
Optical fiber	Category	G657A1
	Count	1
	Color	Blue
Messenger member	Material	Stranded galvanized steel wire
	Diameter(mm)	1.2(7*0.4)
Strength member	Material	FRP
	Diameter(mm)	2x0.5
Outer sheath	Material	LSZH
	Color	Black

Mechanical Performance

Min bending radius("H" is the height of the cable)

Static 10H

Dynamic 20H

Tension strength

Long term 300N

Short term 600N

Crush resistance

Long term 1000N/100mm

Short term 2200N/100mm

Durability

500 times,the insertion loss change≤0.2dB

Environmental Performance

Operation temperature -40℃ to +70℃

Storage temperature -20℃ to +60℃

Installation temperature -20℃ to +60℃

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