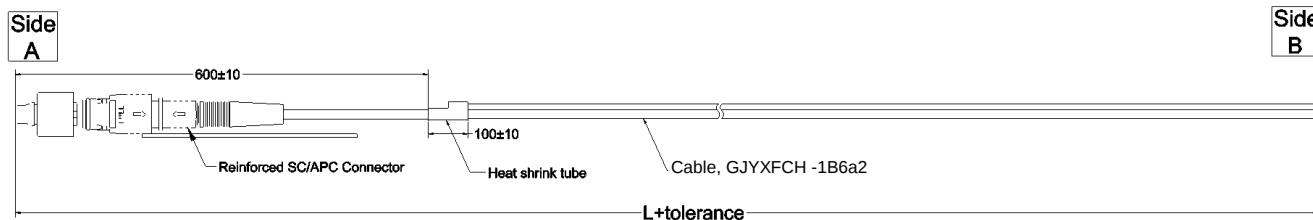


Technical Data Sheet



RSCAPC(YOFC) Connector, G657A2,
bow-type drop cable

RSCAPC(YOFC)-00-GJYXFCH-
1B6a2-XXm



All dimensions are in mm

Description

This product is an optical single mode G657A2 pigtail with RSCAPC(YOFC) connector at side A, and side B is open, and the connector ferrule is made of Zirconia.

The protection grade of the RSCAPC(YOFC) connector is IP68.

Cable construction: GJYXFCH-1B6a2, 2.0x5.0mm, LSZH, Gray (RAL7024)

Available Variants

Type	Length
RSCAPC(YOFC)-00-GJYXFCH-1B6a2-XXm	
RSCAPC(YOFC)-00-GJYXFCH-1B6a2-50m	50m
RSCAPC(YOFC)-00-GJYXFCH-1B6a2-80m	80m
RSCAPC(YOFC)-00-GJYXFCH-1B6a2-100m	100m
RSCAPC(YOFC)-00-GJYXFCH-1B6a2-120m	120m
RSCAPC(YOFC)-00-GJYXFCH-1B6a2-150m	150m

Length (m)	Tolerances (mm)
$L \leq 10$	+200/0
$10 < L \leq 50$	+500/0
$L > 50$	+1%L/0

Parts

Connector Side A	RSCAPC(YOFC), SM, per IEC 61754-4
Connector Side B	Open
Cable	GJYXFCH-1B6a2, 2.0x5.0mm, LSZH, Gray (RAL7024)

Optical data

Cable

Fiber	G657A2 single mode
Fiber count	1 fibre
Cable attenuation	$\leq 0.35\text{dB/km}$ $\lambda = 1310\text{ nm}$
	$\leq 0.22\text{dB/km}$ $\lambda = 1550\text{ nm}$

Cable assembly

Insertion loss	Max. $0.30\text{dB} + 0.35\text{ dB/ km} * L(\text{km})$ @ 1310nm
	Max. $0.30\text{dB} + 0.22\text{ dB/ km} * L(\text{km})$ @ 1550nm
	According to IEC 61300-3-4 Method B
Return Loss	Min. 60 dB @ 1310&1550nm(APC)
	According to IEC 61300-3-6

Technical Data Sheet

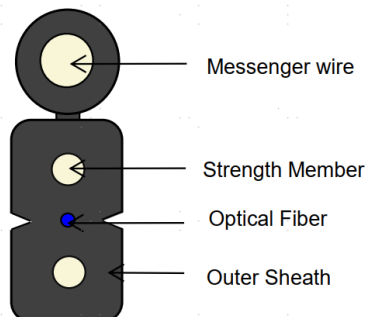


RSCAPC(YOFC) Connector, G657A2,
bow-type drop cable

RSCAPC(YOFC)-00-GJYXFCH-
1B6a2-XXm

Cable structure and Specifications

Outer diameter 5.0*2.0mm



Items		Descriptions
Optical Fiber	Fiber count	1
	Color	Blue
Strength Member	Material	KFRP
	Diameter	0.51*0.58mm
Messenger wire	Material	Galvanized Steel wire with EAA
	Diameter	1.1±0.1mm
Outer Sheath	Material	LSZH
	Color	Gray (RAL7024)
Cable Diameter		5.0*2.0mm
Cable Weight	Net Weight	Approx. 20kg/km

Mechanical and Environmental Characteristics

Items	Test Method	Descriptions	
Tensile performance	IEC 60794-1-21 Method E1	short-term	660N
		long-term	440N
Crush Resistance	IEC 60794-1-21 Method E3	short-term	2200N/10cm
		long-term	1000N/10cm
Impact Resistance	IEC 60794-1-21 Method E4	No obvious change after test	
Repeat Bending	IEC 60794-1-21 Method E6		
Torsion	IEC 60794-1-21 Method E7		
Temperature Range	IEC 60794-1-22 Method F1	-40°C~+70°C	
Bending Radius	Static	15mm	
	Dynamic	30mm	

Max. Tension strength
Connector

200N

Environmental data

Operation temperature -40°C to +65°C

Technical Data Sheet									
RSCAPC(YOFC) Connector, G657A2, bow-type drop cable	RSCAPC(YOFC)-00-GJYXFCH- 1B6a2-XXm								
<table><tr><td>Installation temperature</td><td>-10°C to +50°C</td></tr><tr><td>Storage temperature</td><td>-40°C to +70 °C</td></tr><tr><td>Relative humidity</td><td>≤93% (+40°C)</td></tr><tr><td>RoHS</td><td>Compliance</td></tr></table> Packaging Information 1 pc of a roll		Installation temperature	-10°C to +50°C	Storage temperature	-40°C to +70 °C	Relative humidity	≤93% (+40°C)	RoHS	Compliance
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Yangtze Optical Fibre and Cable Joint Stock Limited Company Add: No. 9 Guanggu Avenue, East Lake High-tech Development Zone, Wuhan Fax. : +86 27 87802536 Tel. : +86 27 87802541 Web :www.yofc.com	Page 3 / 3								