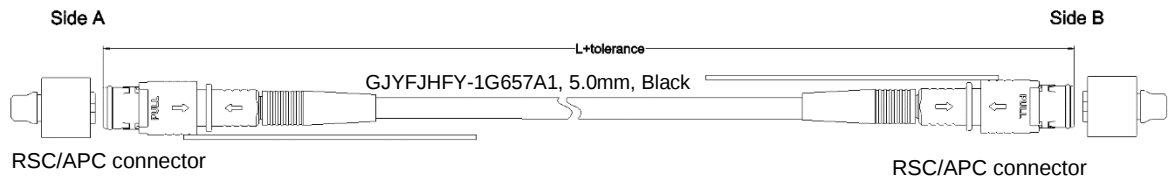


Technical Data Sheet**RSC/APC- RSC/APC Connector,
GJYFJHFY-1G657A1, LSZH****RSC/APC-RSC/APC-GJYFJHFY-1G657A1-
50-XXm**

All dimensions are in mm

Description

This product is an optical single mode G657A1 distribution cable with Reinforced SC/APC connector at both ends. Connector ferrule is made of Zirconia.

The protection grade of Reinforced SC/APC connector is IP68.

RSC/APC is the type of YOFC pre-connected connector.

Cable construction: GJYFJHFY-1G657A1, 5.0mm, LSZH, G657A1, Black.

Type

RSC/APC-RSC/APC-GJYFJHFY-1G657A1-50-XXm
RSC/APC-RSC/APC-GJYFJHFY-1G657A1-50-50m
RSC/APC-RSC/APC-GJYFJHFY-1G657A1-50-100m
RSC/APC-RSC/APC-GJYFJHFY-1G657A1-50-150m

Length (m)

50
100
150

Length (m)

$L \leq 100$
 $100 < L \leq 300$
 $L > 300$

Tolerances (mm)

+500/0
+1000/0
+1%L/0

Parts

Connector Side A
Connector Side B
Cable

RSC/APC Connector
RSC/APC Connector
GJYFJHFY-1G657A1, 5.0mm, LSZH, G657A1, Black.

Optical data**Fiber**

Fiber
Fiber count

G657A1 single mode
1 fiber

Cable

Cable attenuation

Max. ≤ 0.36 dB/Km $\lambda = 1310$ nm
Max. ≤ 0.24 dB/Km $\lambda = 1550$ nm

Cable assembly

Insertion loss

Max. 0.3 dB + 0.36 dB/ km * L(km) @ 1310nm
Max. 0.3 dB + 0.24 dB/ km * L(km) @ 1550nm
According to IEC 61300-3-4 Method B
Return Loss (Connector)
Min. 60 dB @ 1310&1550nm
According to IEC 61300-3-6

Mechanical data**Axial tensile strength**

Axial tensile strength between optical cable and RSC/APC connector ≥ 400 N.

Technical Data Sheet



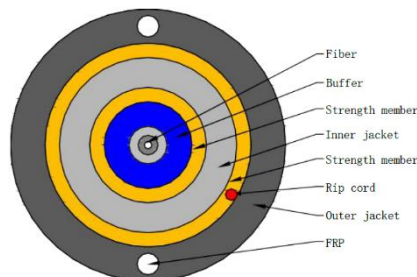
RSC/APC- RSC/APC Connector,
GJYFJH FY-1G657A1, LSZH

RSC/APC-RSC/APC-GJYFJH FY-1G657A1-
50-XXm

Cable structure

Outer diameter

5.0±0.2 mm



GJYFJH FY-1G657A1

Schematic for reference only

Items		Descriptions
Tight buffer fiber	Fiber count	1
	Diameter	0.90±0.05mm
	Color	Blue
	Material	LSZH
Strength Member	Material	Water-blocking aramid yarns
Inner jacket	Material	LSZH
	Color	Ivory or white
	Min. thickness	0.3mm
	Diameter	2.0±0.1mm
Strength Member	Material	Aramid yarn & water-blocking aramid yarns
Outer jacket	Material	HDPE/MDPE, UV-resistance
	Color	Black
	Min. Thickness	0.8mm
	Diameter	5.0±0.2mm
Weight		22kg/km (Approx.)

Environmental data

Operation temperature	-40 °C to +65 °C
Storage temperature	-45 °C to +70 °C
Installation temperature	-10 °C to +50 °C
Service life	20 years

Packaging

1 PC per roll