

SC-SC Fiber Patch Cable

Product	SC-SC Fiber Patch Cable
Model	SM-SA-SA-S-1M-01
File No.	SM-SA-SA-S-1M-01#210090
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Specification Revision Record					
Date	Version	Page	Revision Description	Prepare	Approve
20201012	1.0			Jiang L	

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Technical Requirements

YD/T1272.4-2007

GR-326 《GR-1435-COREI02》

Specification

Parameter	Unit	Value
Fiber Type	/	OS2
Connector	/	SC-SC
ROHS Compliance	/	Yes
Insertion Loss	dB	≤ 0.35
Return loss	dB	PC ≥ 50 ; APC ≥ 60
Operating Temperature	°C	-40 ~+75
Storage Temperature	°C	-40 ~+85
Operating Wavelength	nm	SM:(1310,1550 nm)
Durability	Time	≥ 1000

Optical Fiber Mechanical Characteristic

Test Item	Value
Screening Class(%)	screening strain ≥ 2.0
Minimum Bend Radius(mm)	15
Coating Stripping Resistance(N)	Peak: $1.3 \leq F \leq 8.9$ Average: $1 \leq F \leq 5$
Static Fatigue Index(nd)	≥ 20
Single Core Second Coating Diameter(μm)	250
Cladding Non-Circularity(%)	≤ 2.0
Coating/Cladding Concentricity(μm)	≤ 12.0

Optical Cable Mechanical Characteristic

Test Item	2.0 one-core single mode fiber optic cable	Tolerance
Fiber Cores	1	
Standard Outer Diameter(mm)	2.0	±0.15
Cable Material	LSZH	PVC/OFNR

Optical Cable Temperature Characteristic

Grade Code	Temperature Range(°C)		Fiber Additional Attenuation (dB/km)	
	Low Limit	High Limit	1310nm	1550nm
C	-20	+60	≤ 0.35	≤ 0.25
D	-5	+60		

Storage Requirement

It should be stored at room temperature, there should be good fire-fighting facilities in the warehouse. It should be kept clean and dry. Prevent direct sunlight, no heavy pressure, and no stacking in the open air.

Ordering Information

Part Number	Description
SM-SA-SA-S-1M-01	1m, SC APC to SC APC, simplex, OS2, single mode, 2.0mm