

LC-LC Fiber Patch Cable

Product	LC-LC Fiber Patch Cable
Model	OM1-LU-LU-S-1M-J01
File No.	OM1-LU-LU-S-1M-J01#223017
Version	1.0
Issuing Date	2015-09-23



Specification Revision Record					
Date	Version	Page	Revision Description	Prepare	Approve
20201013	1.0			Liu YM	

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Technical Requirements

YD/T1272.4-2007

GR-326 《GR-1435-COREI02》

Specification

Parameter	Unit	Value
Fiber Type	/	OM1
Connector	/	LC-LC
ROHS Compliance	/	Yes
Insertion Loss	dB	≤ 0.35
Return loss	dB	PC ≥ 30 ; APC ≥ 60
Operating Temperature	°C	-40 ~+75
Storage Temperature	°C	-40 ~+85
Operating Wavelength	nm	MM:(850,1300 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 multimode 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	850nm	1300nm
C	-20	+60	≤ 3.5	≤ 3.5
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
OM1-LU-LU-S-1M-J01	1m, LC UPC to LC UPC, simplex, OM1, multimode, 2.0mm