

## Product Specification

<b>Product</b>	<b>LC-LC Fiber Patch Cable</b>
<b>Model</b>	<b>SM-LU-LU-D-1M-J01</b>
<b>File No.</b>	<b>SM-LU-LU-D-1M-J01#210002</b>
<b>Version</b>	<b>1.0</b>
<b>Issuing Date</b>	<b>2015-09-23</b>



Specification Revision Record					
Date	Version	Page	Revision Description	Prepare	Approve
20201012	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	/	OS2
Connector	/	LC-LC
40/100G Ethernet Distance	Km	≥ 15
10G Ethernet Distance	Km	≥ 15
ROHS Compliance	/	Yes
Polish Type	/	UPC-UPC
Attenuation@1310nm	dB	≤ 0.35
Attenuation@1550nm	dB	≤ 0.25
Insertion Loss	dB	≤ 0.35
Return loss	dB	≥ 50
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≤ F≤8.9 Average: 1≤F≤ 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 two-core single mode fiber optic cable	Tolerance
Fiber Cores	2	
Glass Fiber	Corning Clear Curve	
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-LU-LU-D-1M-J01	1m,LC UPC to LC UPC,duplex,OS2, single mode, 2.0mm