

## Introduction

Fiber Optic Jumpers are used to connect Fiber Optic Active Components like Media Converters and Transceivers to Optical Distribution Frame (ODF).

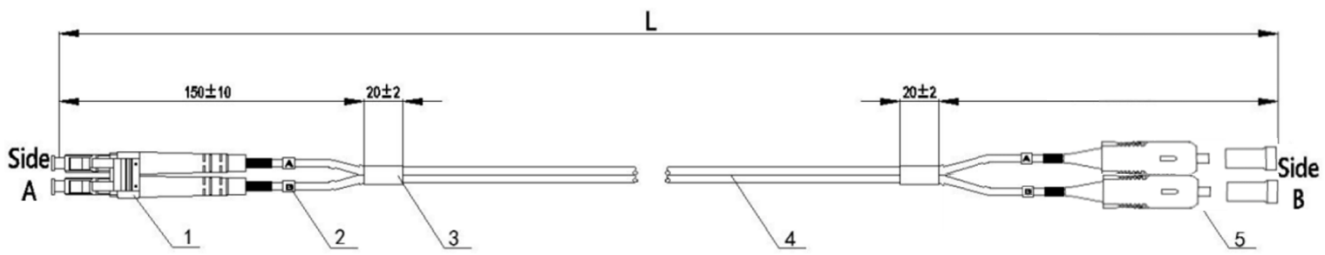


Photo For Reference

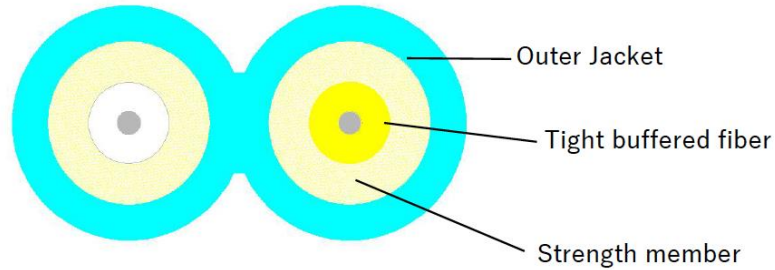
No.	Part Name	Description	Quantity
1	Connector A	Duplex LC/UPC	1
2	Marking Ring	“A”, “B”	4
3	Shrinking sleeve	Black	2
4	Fiber Cable	Duplex, Multimode, OM3 2.0*4.1mm, PVC, Aqua	L
5	Connector B	Duplex SC/UPC	1

Tolerance: 0~10cm@0-10m; 0~1%\*L @ L>10m

## Description Of Connectors

Item	Performance
Insertion loss	≤0.3dB@850nm&1300nm
Return loss	≥35dB @850nm&1300nm
Durability	≥500 times
Operating temperature	-25°C~+70°C
Reference standard	IEC 61754&YD/T 1272

## Description Of Fiber Cable



Cable Structure	
Strength member	Aramid Yarn
Fiber type	2 Core OM3
Outer Jacket	
Diameter	2.0*4.1 mm (Tolerance: $\pm 0.1\text{mm}$ )
Material	PVC (OFNR Riser optional)
Thickness	$\geq 0.3\text{mm}$
External color	Aqua (For OM3)
Tight buffered fiber	
Diameter	$900\ \mu\text{m} \pm 50\ \mu\text{m}$
Structure	Tight buffer
Color	White*1 / Yellow*1

Model	Length
LP-FOM3-LCSC-R01	1 m
LP-FOM3-LCSC-R02	2 m
LP-FOM3-LCSC-R03	3 m

Fiber Attributes (OM3)			
Attribute Detail		Condition	Value
Core Diameter			50 ± 2.5 μm
Core Non-Circularity			≤5.0%
Cladding Diameter			125.0 ± 1.0 μm
Cladding Non-Circularity			≤0.6%
Cladding Diameter			245 ± 7 μm
Coating/Cladding Concentricity Error			≤10.0 μm
Coating Non-Circularity			≤6.0
Core/Cladding Concentricity Error			≤1.0 μm
Attenuation		850nm	≤2.4 dB/km
		1300nm	≤0.6 dB/km
			<b>OM3</b>
Overfilled Modal Bandwidth		850nm	≥1500 MHz•km
		1300nm	≥500 MHz•km
Effective Modal Bandwidth		850nm	≥2000 MHz•km
Application support distance on	40GBASE-SR4/100GBASE-SR10	850nm	140m
	10GBASE-SR	850nm	300m
	1000BASE-SR	850nm	1000m
Cable Attributes			
Attenuation Coefficient	Maximum at 850nm		3.0 dB/km
	Maximum at 1550nm		1.0 dB/km
Crush	Short Term		500N/100mm
	Long Term		100N/100mm
Tensile strength	Short Term		150N
	Long Term		90N
Bending radius	Dynamic		20D
	Static		10D
Temperature range		-25°C~+70°C	