



Introduction

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

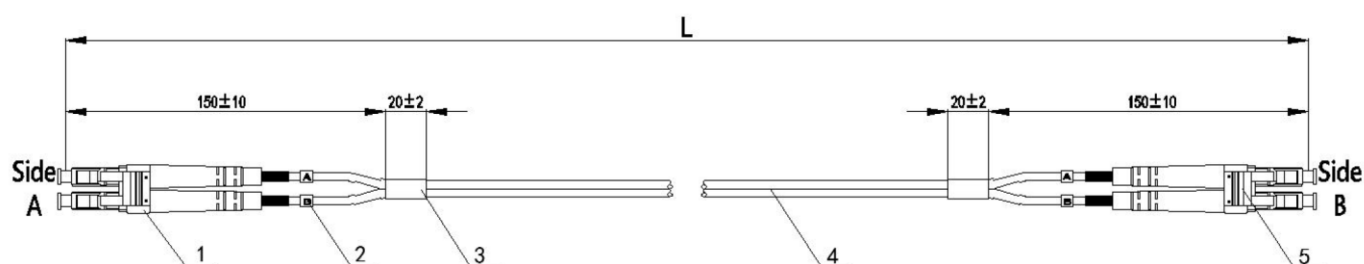


Photo For Reference

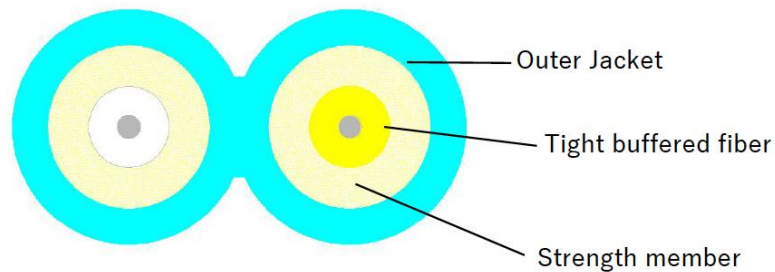
No.	Part Name	Description	Quantity
1	Connector A	Duplex LC/UPC	1
2	Marking Ring	"A"、 "B"	4
3	Shrinking sleeve	Black	2
4	Fiber Cable	Duplex, Multi-Mode, OM3 2.0*4.1mm, PVC, Aqua	L
5	Connector B	Duplex LC/UPC	1

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

Description Of Connectors

Item	Performance
Insertion loss	$\leq 0.3\text{dB}@850\text{nm}\&1300\text{nm}$
Return loss	$\geq 35\text{dB} @850\text{nm}\&1300\text{nm}$
Durability	≥ 500 times
Operating temperature	$-25^{\circ}\text{C}\sim+70^{\circ}\text{C}$
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-LCLC-R01	1 m
LP-FOM3-LCLC-R02	2 m
LP-FOM3-LCLC-R03	3 m
LP-FOM3-LCLC-R05	5 m

Fiber Attributes (OM3)			
Attribute Detail		Condition	Value
Core Diameter			$50 \pm 2.5 \mu\text{m}$
Core Non-Circularity			$\leq 5.0\%$
Cladding Diameter			$125.0 \pm 1.0 \mu\text{m}$
Cladding Non-Circularity			$\leq 0.6\%$
Cladding Diameter			$245 \pm 7 \mu\text{m}$
Coating/Cladding Concentricity Error			$\leq 10.0 \mu\text{m}$
Coating Non-Circularity			≤ 6.0
Core/Cladding Concentricity Error			$\leq 1.0 \mu\text{m}$
Attenuation		850nm	$\leq 2.4 \text{ dB/km}$
		1300nm	$\leq 0.6 \text{ dB/km}$
OM3			
Overfilled Modal Bandwidth		850nm	$\geq 1500 \text{ MHz}\cdot\text{km}$
		1300nm	$\geq 500 \text{ MHz}\cdot\text{km}$
Effective Modal Bandwidth		850nm	$\geq 2000 \text{ MHz}\cdot\text{km}$
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		$-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$	