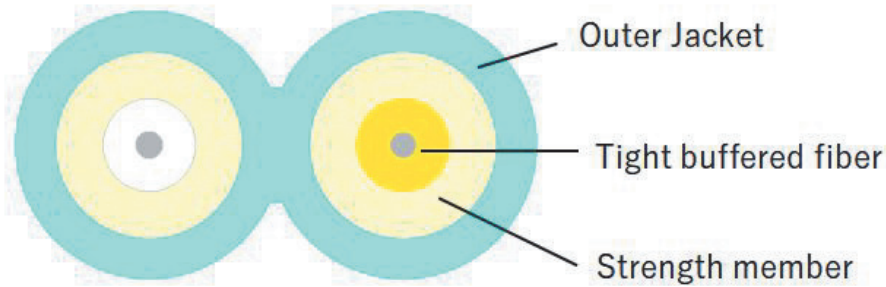


# Data Sheet for Duplex OM4 LC/UPC - LC/UPC PatchCord

## Description Of Fiber Cable



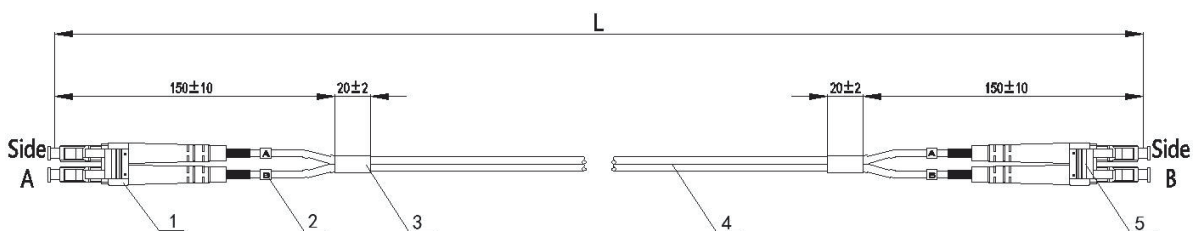
No.	Part Name	Description	Quantity
1	Connector A	Duplex LC/UPC, Aqua body & boot	1
2	Marking Ring	"A", "B"	4
3	Shrinking sleeve	Black	2
4	Fiber Cable	Duplex, Multi-Mode, OM4 2.0*4.1mm, PVC, Aqua	L
5	Connector B	Duplex LC/UPC, Aqua body & boot	1

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

## Photo For Reference



Cable Structure			
Strength member	Aramid Yarn		
Fiber type	OM4		
Fiber Count	2		
Outer Jacket			
Diameter	2.0*4.1 mm (Tolerance: ±0.2mm)		
Material	PVC (OFNR Riser optional)		
Thickness	≥0.3mm		
External color	Aqua (For OM4)		
Tight Buffered Fiber			
Diameter	850µm±50µm		
Structure	Tight buffer		
Color	White*1 / Yellow*1		
Fiber Attributes (OM4)			
Attribute Detail	Condition		Value
Core Diameter			50±2.5µm
Core Non-Circularity			≤5.0%
Cladding Diameter			125.0±1.0µm
Cladding Non-Circularity			≤0.6%
Cladding Diameter			245±7µm
Coating/Cladding Concentricity Error			≤10.0µm
Coating Non-Circularity			≤6.0
Core/Cladding Concentricity Error			≤1.0µm
Attenuation	850nm		≤2.4 dB/km
	1300nm		≤0.6 dB/km
Overfilled Modal Bandwidth	850nm		≥3500 MHz•km
	1300nm		≥500 MHz•km
Effective Modal Bandwidth	850nm		≥4700 MHz•km
Application support distance on	40GBASE-SR4/100GBASE-SR10	850nm	170m
	10GBASE-SR	850nm	550m
	1000BASE-SR	850nm	1100m
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	-40°C~+70°C		