

## Construction

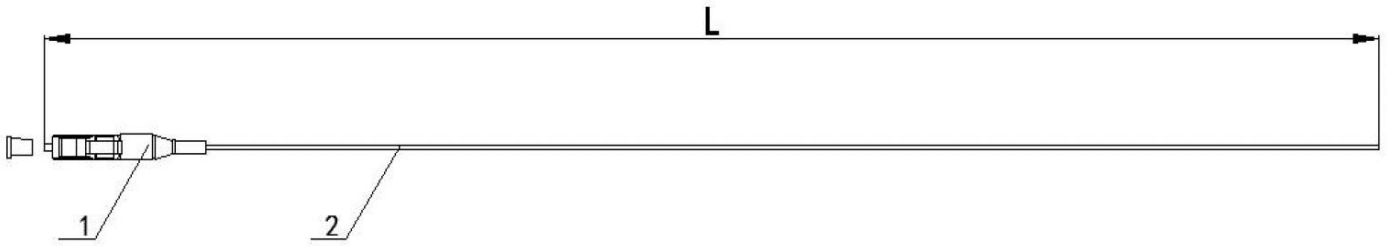


Photo For Reference

No.	Part Name	Description	Quantity
1	Connector A	Simplex LC connector, UPC, Aqua Body Aqua boot	1
2	Fiber Cable	Multi-Mode, OM3, 0.9mm, PVC, Aqua	L

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	$\geq 500$ times
Operating temperature	$-25^{\circ}\text{C}\sim+70^{\circ}\text{C}$
Reference standard	IEC 61754&YD/T 1272

## Description Of Fiber Cable

Fiber Sleeve		
Diameter	$900\ \mu\text{m} \pm 50\ \mu\text{m}$	
Form	Circular	
Structure	Tight buffer	
Material	PVC	
Color	Aqua	
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		$\leq 6.0$

Core/Cladding Concentricity Error			$\leq 1.0 \mu\text{m}$
Attenuation		850nm	$\leq 2.4 \text{ dB/km}$
		1300nm	$\leq 0.6 \text{ dB/km}$
			<b>OM3-300</b>
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
<b>Cable Attributes</b>			
Attenuation Coefficient	Maximum at 850nm		3.0 dB/km
	Maximum at 1550nm		1.0 dB/km
Bending radius	Dynamic		20D
	Static		10D
Temperature range	-40°C~+70°C		

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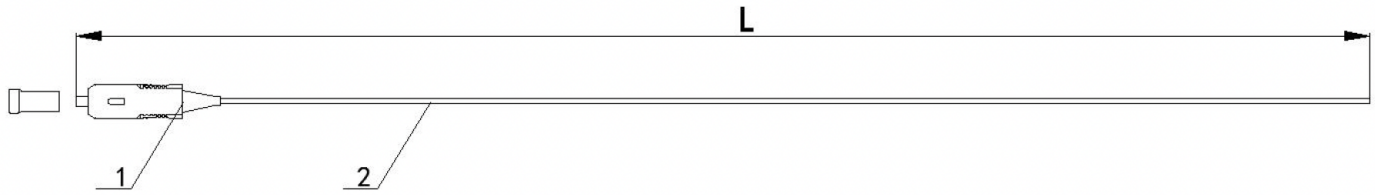


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Core/Cladding Concentricity Error			≤1.0 μm
Attenuation		850nm	≤2.4 dB/km
		1300nm	≤0.6 dB/km
			<b>OM3-300</b>
Overfilled Modal Bandwidth		850nm	≥1500 MHz•km
		1300nm	≥500 MHz•km
Effective Modal Bandwidth		850nm	≥2000 MHz•km
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