
Specification

Product Name	Optical fiber fast connector	Product Model	LP-FCAPC
			

1.Product Structure

1.1 Measured the Structure 1.2 Product length: 55mm

2. Technical data

Items	Test methods	parameters
application	/	3.0*2.0 mm flat drop cable
fiber Mode	/	Single mode fiber
Operation time	simply trained, need not professional	about 10S, prepare clean fiber time not included
Insertion loss	Optical source, and power meter	Average $\leq 0.30\text{dB}$ (1310nm&1550nm) , Max 0.5DB
Reflection loss	Optical source, and power meter, with winding methods	$\leq -50\text{dB}$ 1310nm&1550nm)
Tensile Strength	weights, tensile machine	5N
Fiber tensile	weights, tensile machine	50N
Working temperature	/	-40℃ ~+80℃
Hi-Low temp cycling	room temp $\rightarrow$ -40℃ $\rightarrow$ +80℃ $\rightarrow$ room temp 12 cycles	$\Delta \leq 0.2\text{dB}$ $\Delta \leq 5\text{dB}$
Damp Heat	+40C, Relative Humidity 95%, 96 hours	$\Delta \leq 0.2\text{dB}$ $\Delta \leq 5\text{dB}$
Immersion test	+25℃ , tap water, 144hours	$\Delta \leq 0.2\text{dB}$ $\Delta \leq 5\text{dB}$
Falling test	1.5 meter concrete, free falling 8 times	$\Delta \leq 0.2\text{dB}$ $\Delta \leq 5\text{dB}$
Repeat test	plug in & out 500 times, cycle time 30 seconds	$\Delta \leq 0.2\text{dB}$ $\Delta \leq 5\text{dB}$

