

## LWL-1-Faser-Patchkabel LC(APC)-SC(APC), 9/125u, OS2, G657A2, AD=2mm, LC mit flexibler Knickschutztülle, Synergy21



Hersteller-nummer	Länge in m	Hersteller-nummer	Länge in m
S217855	1,5	S217859	10,0
S217856	3,0	S217860	15,0
S217857	5,0	S217861	20,0
S217858	7,5		

### Product features

- Low insertion loss and high return loss
- Excellent endface geometry parameter
- Special specification available upon customer's request.
- With bending protection for LC

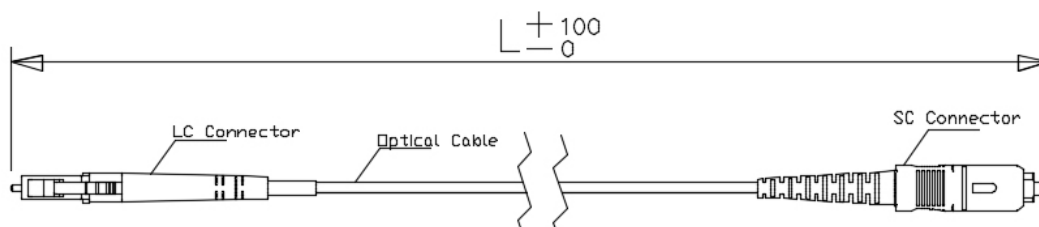
### Applications

- Data transmission Networks
- Image transmission Networks
- CATV
- Optical test instrument
- Photoelectric automatic control system

### Product Sketch Map

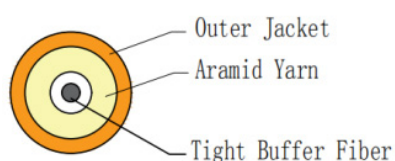
The patch cord

Remarks: Length "L" according to customer requirements



### Product Sketch Map

The optical cable



Remarks: 1.Cable marking:OPTICAL FIBER CABLE SM G657A2 Simplex 2.0mm LSZH xxxx M  
2.The fiber type and Sheathing material according to order request.

## Optical Performance

Project	Spec.	Standard
Operating wavelength	1260~1650nm	
Attenuation	$\leq 0.36\text{dB/KM}@1310\text{nm}$ $\leq 0.25\text{dB/KM}@1310\text{nm}$	
Insertion loss	$\leq 0.3\text{dB}$	Follow GR326-CORE and IEC Standard
Return loss	$\geq 50\text{dB}$ (UPC) $\geq 50\text{dB}$ (APC)	
Repeatability	$\leq 0.1\text{dB}$	
Interchangeability	$\leq 0.2\text{dB}$	

## Material Characteristics

Project	Spec.	Standard
Fiber Typ	G657A2	
Cable Diameter	2.0 $\pm 0.1\text{mm}$	
Out of roundness	$\leq 10\%$	Follow ROHS and IEC Standard
Cable Material	LSZH, PVC	
Cable Color	Yello	
Working temperature	$-40^{\circ}+85^{\circ}\text{C}$	

## Environmental performance

Project	Test condition	Index	Monitoring proportion
High temperature	85°C, 96H	$\Delta\text{IL}\leq 0.2\text{dB}$	Random monitoring of WIP 5pcs
Low temperature	-40°C, 96H	$\Delta\text{IL}\leq 0.2\text{dB}$	
Loop	$-40^{\circ}\sim+85^{\circ}\text{C}$ , 3.5H/Cycle, 40x loop	$\Delta\text{IL}\leq 0.2\text{dB}$	
Hot and humid	110°C, 90%RH, 2 atmospheric pressure 96H	$\Delta\text{IL}\leq 0.2\text{dB}$	
Immersion	43°C, PH5.5, 168H	$\Delta\text{IL}\leq 0.2\text{dB}$	

## Mechanical properties of products

Project	Test condition	Index	Monitoring proportion
To attack	1.8m, three axial, 8 times / axial	$\Delta\text{IL}\leq 0.2\text{dB}$	Random monitoring of WIP 5pcs
Vibration	10 to 50HZ, 45 times /min, amplitude 0.75mm, three axial. Each axial 30min	$\Delta\text{IL}\leq 0.2\text{dB}$	
Reverse	Distance machine 20 to 28cm, + 180 degrees, 6s/ times, 25 times	$\Delta\text{IL}\leq 0.2\text{dB}$	
Tensile	The distance from the plug is 20 to 28cm, 1min, and the load is 40N	$\Delta\text{IL}\leq 0.2\text{dB}$	