

SC-APC SIMPLEX - SCP-EASYFIBER™ SINGLE MODE PATCH CABLE W/CORNING® SMF-28® ULTRA OS2 9/125, INDOOR/OUTDOOR LSZH Dca-s1,d1,a1 YELLOW JACKET - 1EA/BAG

**SCP PART#:  
EFP-OS2LSZH-SIM-SCA**

**SCP-EasyFiber™ Single Mode Patch Cables**

SCP-EasyFiber™ featuring Corning® SMF-28® Ultra provides substantially less signal loss and superior bend performance than traditional fiber patch cables.

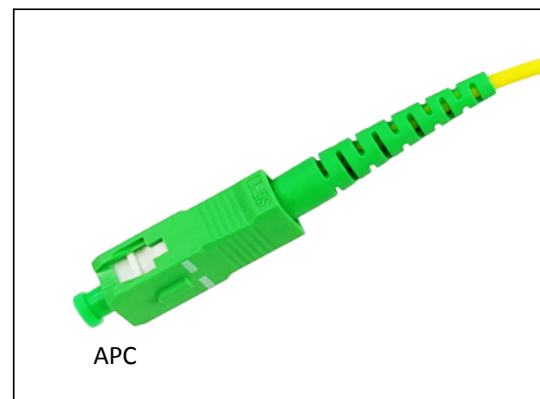
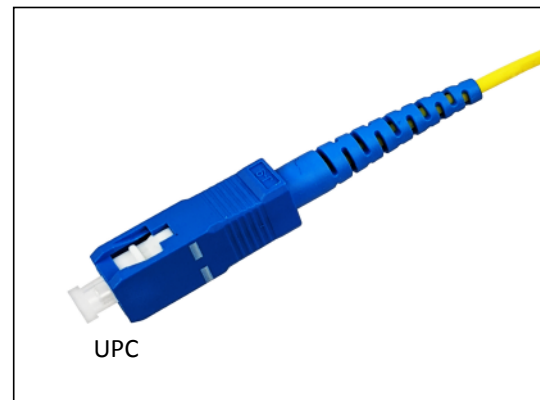
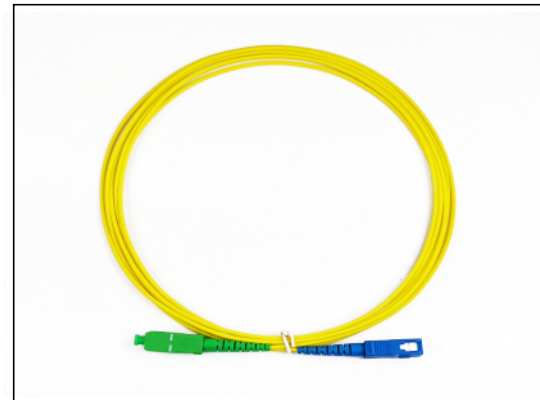
<b>Specifications</b>	
Fiber Count	Simplex (1 strand)
Outer Jacket	LSZH, Yellow color
Strength Member	Aramid Yarn
Internal Jacket	0.9mm Tight buffer
Outer Jacket Size	2mm
Connector Type (End A)	Male simplex SC
Connector Type (End B)	Male simplex SC
Polish Type	UPC/APC

<b>Physical Characteristics</b>	
Fiber Type	Single Mode OS2 9/125
Fiber Core Size	9µm
Fiber Make	Corning® SMF-28® Ultra
Insertion Loss (dB)	≤0.25
Return Loss( dB)	≤0.60
Durability(Times)	≥600
Tensile strength(N)	≥55

<b>Environmental</b>	
Storage Temperature	-40°C to +70°C
Operating Temperature	-0°C to +70°C
Ratings	ROHS, IEC, TIA/EIA, NTT and JIS

<b>Packaging</b>			
Part #	Length	Weight	Dimensions
EFP-OS2LSZH-SIM-SCA-1M	1 m	0.022k	21 x 28cm
EFP-OS2LSZH-SIM-SCA-2M	2 m	0.024k	21 x 28cm
EFP-OS2LSZH-SIM-SCA-3M	3 m	0.026k	21 x 28cm
EFP-OS2LSZH-SIM-SCA-5M	5 m	0.032k	21 x 28cm
EFP-OS2LSZH-SIM-SCA-7M	7 m	0.038k	21 x 28cm
EFP-OS2LSZH-SIM-SCA-10M	10 m	0.048k	21 x 28cm
EFP-OS2LSZH-SIM-SCA-15M	15 m	0.064k	21 x 28cm
EFP-OS2LSZH-SIM-SCA-20M	20 m	0.080k	21 x 28cm

**SCP-EasyFiber™**



**Optical Characteristics: Corning SMF-28® Ultra**

Characteristics	Conditions	Specified Values	Units
<b>Geometrical characteristics</b>			
Cladding diameter		125.0±1.0	um
Cladding non-circularity		≤0.7	%
Coating diameter		242±5	um
Coating/cladding concentricity error		<12	um
Core/cladding concentricity error		≤0.5	um
<b>Optical characteristics</b>			
Attenuation	1310nm	≤0.32	dB/km
	1383nm	≤0.32	dB/km
	1490nm	≤0.21	dB/km
	1550nm	≤0.18	dB/km
	1625nm	≤0.20	dB/km
Attenuation vs. Wavelength max. A difference	1285~1330nm	≤0.03	dB/km
	1525~1575nm	≤0.02	dB/km
Zero dispersion wavelength		1304~1324	nm
Zero dispersion slope		≤0.092	ps/(nm <sup>2</sup> *km)
<b>Polarization mode dispersion</b>			
PMD maximum individual fibre		≤0.1	ps/km <sup>1/2</sup>
PMD design link value		≤0.04	ps/km <sup>1/2</sup>
Cable cut off wavelength		≤1260	nm
Mode field diameter	1310nm	8.8~9.6	um
	1550nm	9.9~10.9	um
Group index of refraction	1310nm	1.4691	
	1550nm	1.4696	
Environmental characteristics	1310nm、1550nm&1625nm		
Temperature cycling	-60℃ to +85℃	≤0.05	dB/km
Temperature-humidity cycling	-10℃ to +85℃, 4% to 98% RH	≤0.05	dB/km
Water immersion	23℃, 30 days	≤0.05	dB/km
Dry heat	85℃, 30 days	≤0.05	dB/km
Damp heat	85℃, 85%RH, 30 days	≤0.05	dB/km
<b>Mechanical specification</b>			
Proof test		≥100	Kpsi
<b>Macro bending induced loss</b>			
1Turns @10mm Radius	1550nm	≤0.5	dB
1Turns @10mm Radius	1625nm	≤1.5	dB
10Turns @15mm Radius	1550nm	≤0.05	dB
10Turns @15mm Radius	1625nm	≤0.30	dB
100Turns @25mm Radius	1310&1550&1625 nm	≤0.01	dB
Dynamic stress corrosion susceptibility parameter		20	

**Cable Jacket Marking :**

STRUCTURED CABLE PRODUCTS --- EFP-OS2LSZH-SIM-SCA --- SCP-EASYFIBER™ SC/SC SIMPLEX  
OS2 9/125 2.0MM CORNING® SMF-28 ULTRA® LSZH EN50575 Dca-s1,d1,a1