

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

SCP PART#: **EFP-OS2R-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.

Specifications

Fiber Count	Simplex (1 strand)
Outer Jacket	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

Physical Characteristics

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

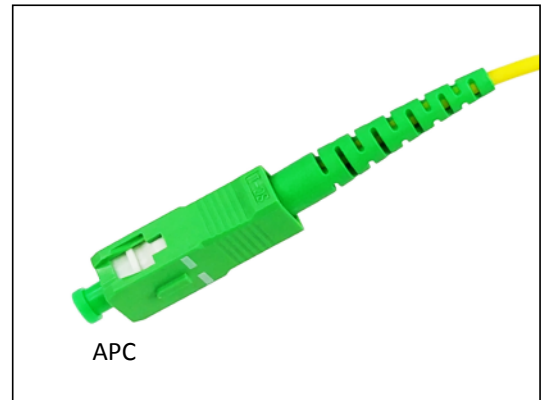
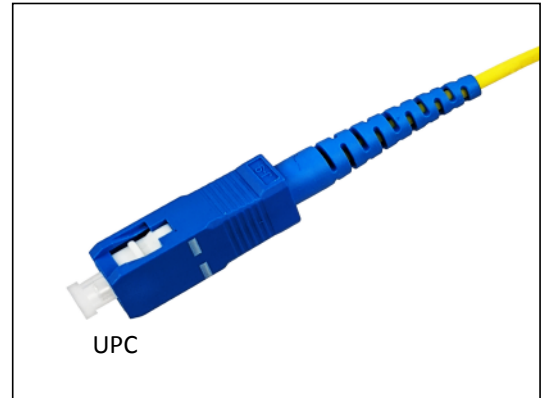
Environmental

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

Packaging

Part #	Lenght	Weight	Dimensions
EFP-OS2R-SIM-SCA-3FT	3 FT	0.08lb	8.2 x 11in
EFP-OS2R-SIM-SCA-6FT	6 FT	0.13lb	8.2 x 11in
EFP-OS2R-SIM-SCA-10FT	10 FT	0.17lb	8.2 x 11in
EFP-OS2R-SIM-SCA-15FT	15 FT	0.24lb	8.2 x 11in

SCP-EasyFiber™



Optical Characteristics: Corning SMF-28® Ultra

Characteristics	Conditions	Specified Values	Units
Geometrical characteristics			
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
Optical characteristics			
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 ² *km)
Polarization mode dispersion			
PMD maximum individual fibre		≤0.1	ps/km ^{1/2}
PMD design link value		≤0.04	ps/km ^{1/2}
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
Mechanical specification			
Proof test		≥100	Kpsi
Macro bending induced loss			
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-OS2R-SIM-SCA --- SCP-EASYFIBER™ SC/SC SIMPLEX
OS2 9/125 2.0MM CORNING® SMF-28 ULTRA® RISER