

**SCP PART#: EF-OS2R-DUP-YL**

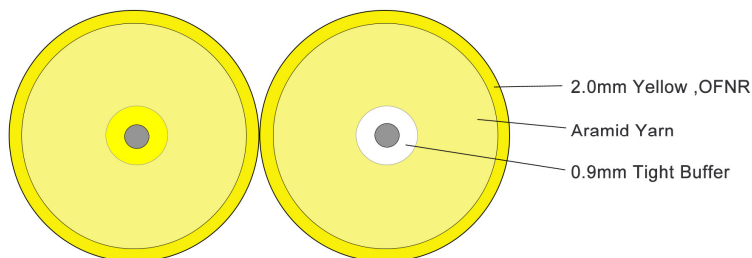
**Description:**

Duplex Zip OS2 Riser Bend Insensitive SCP-EasyFiber™  
 w/Corning® SMF-28® Ultra - Duplex Zip Single Mode OS2 9/125,  
 2.0mm, UL Riser OFNR, Yellow Jacket, 2000ft/610m Reel In Box

**SCP-EasyFiber™**

**Regulatory:**

UL Riser OFNR  
 EU RoHS 2011/65 EU Compliant



**Cable Technical Parameters (Meet IEC 60794-2):**

Fiber	Count	2
	Type	Corning SMF-28®Ultra
Cable	OD(mm)	(1.90±0.1)*(3.9±0.2)
	Material	UL PVC - OFNR
	Color	YELLOW – Pantone 114C
Buffer	OD(mm)	0.87±0.05
	Material	PVC - OFNR
	Color	Yellow & white
Nominal weight(kg/km)		7.6
Max.tensile Strength(N)	Short-term	150
	Long-term	80
Min.Bending Radius(mm)	Dynamic	20D
	Static	10D
Max.Crush Resistance(N/100mm)	Short-term	500
	Long-term	100
Cable attenuation	1310nm ( SMF )	≤0.4dB/km
	1550nm ( SMF )	≤0.3dB/km
Strength Members		Aramid yarn
Environmental Protection		RoHS COMPLIANT
Temperature range	Storage or transportation	-20~70°C
	Operation	-20~60°C
	Installation	-20~60°C

**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 --- EF-OS2R-DUP-YL --- SCP-EASYFIBER™  
 UL E229789 SMF-28 ULTRA OS2 9/125 2.0MM OFNR DUPLEX ZIP CORNING® CLEARCURVE® \*\*\*\*FT MMY