

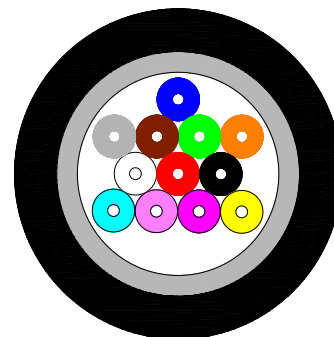
12 STRAND OS2 LSZH Dca - SCP-EASYFIBER™ W/CORNING® SMF-28® ULTRA - TIGHT BUFFERED DISTRIBUTION, SINGLE MODE OS2 9/125, INDOOR/OUTDOOR LSZH EN50575 Dca-s1,d1,a1, BLACK JACKET, 2000FT/610M REEL IN BOX

**SCP PART#:**  
**EF-12DIST-OS2LSZH-BK**

Features at a Glance

- Single Mode OS2
- 12 Strand
- Black color
- LSZH-rated for indoor and outdoor applications
- Tight buffered construction
- 5.8mm outer diameter
- Corning® CSMF-28® Ultra fiber

**SCP-EasyFiber™**



<b>Specifications</b>			
Fiber Count	12 strands		
Outer Jacket	LSZH, Black color		
Strength Member	Aramid Yarn		
Internal Jacket	0.9mm Tight buffer		
Outer Jacket Size	5.8mm		
<b>Physical Characteristics</b>			
Fiber Type	Single Mode OS2 9/125		
Fiber Core Size	9µm		
Fiber Make	Corning® SMF-28® Ultra		
Wavelength	1310 / 1550nm		
Maximum Attenuation	0.5dB @ 0.4km		
Network Link Length (10Gb/s)	10,000m		
Minimum Bend Radius	8.7mm		
<b>Environmental</b>			
Storage Temperature	-40°C to +70°C		
Operating Temperature	-0°C to +70°C		
Ratings	EN 13501-6, ROHS		
<b>Packaging</b>			
Weight	Dimensions	Package	Packages per Pallet
21.3 kg	39 x 39 x 40cm	2000ft/610m Reel in Box	45

**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 INC --- P/N: EF-12DIST-OS2LSZH --- SCP-EASYFIBER™ 12 STRAND TIGHT BUFFERED DISTRIBUTION SINGLE MODE OS2 9/125, CORNING® SMF-28® ULTRA, ITU G652.D, BEND INSENSITIVE, INDOOR/OUTDOOR RATED, UV LSZH JKT EN50575 Dca-s1,d1,a1 RoHS \*\*\*\*M