

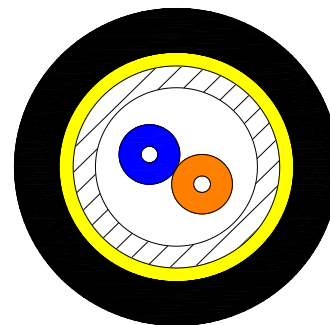
ARMoured 2 STRAND OS2 LSZH Dca - SCP-EASYFIBER™ W/CORNING® SMF-28® ULTRA -
ARMoured TIGHT BUFFERED DISTRIBUTION, SINGLE MODE OS2 9/125, INDOOR/
OUTDOOR LSZH EN50575 Dca-s1,d1,a1, BLACK JACKET, 2000FT/610M REEL IN BOX

SCP PART#:
EF-2DISTARM-OS2LSZH-BK

Features at a Glance

- Single Mode OS2 fiber
- Armoured 2 Strand
- Black color
- LSZH-rated for indoor and outdoor applications
- Tight buffered construction
- 5mm outer diameter
- Corning® SMF-28® Ultra fiber

SCP-EasyFiber™



Specifications			
Fiber Count		2 strands	
Outer Jacket		LSZH, Black color	
Strength Member		Aramid Yarn	
Internal Jacket		0.9mm, Tight buffer	
Armor		304 Stainless Steel, SUS Spring Tube	
Outer Jacket Size		5.0mm	
Physical Characteristics			
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	
Environmental			
Storage Temperature		-40°C to +70°C	
Operating Temperature		-0°C to +70°C	
Ratings		EN 13501-6, ROHS	
Packaging			
Weight	Dimensions	Package	Packages per Pallet
23.1 kg	39 x 39 x 40cm	2000ft/610m Reel in Box	45

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 INC --- P/N: EF-2DISTARM-OS2LSZH --- SCP-EASYFIBER™ 2 STRAND
MICRO ARMORED 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