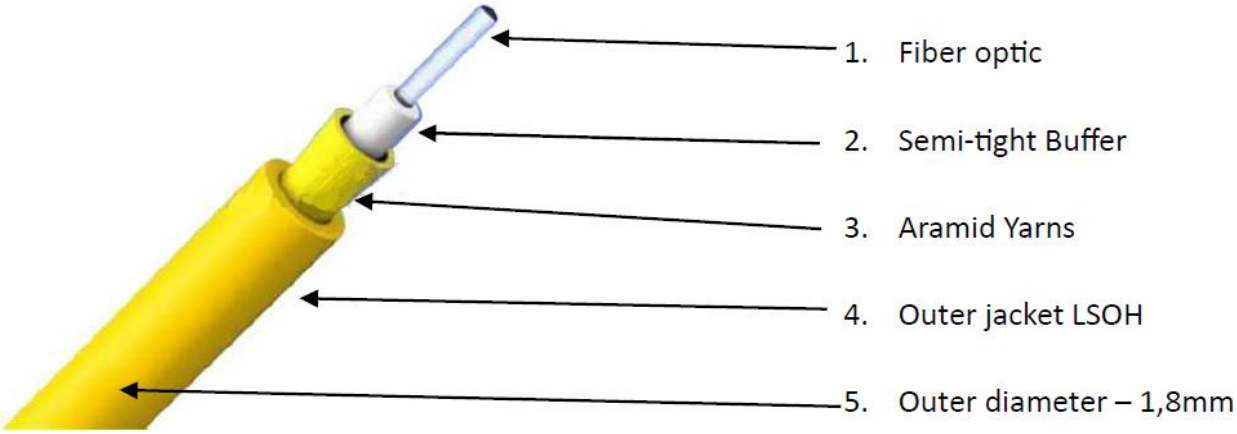
E2000/APC - LC/PC - 9/125 DX G657A1 – optický patchcord



E2000 APC connector

Official distributor E2000

Fiber type: Singlemode(SM)
Connector type(A): E2000 APC Grade B
Protection class: IP 20
Polishing Angle: 8°
Ferule material: ceramic
Ferule diameter – 2,5mm
Average IL =< 0,15 dB
RL >= 75 dB*

* - in 80-90% of production

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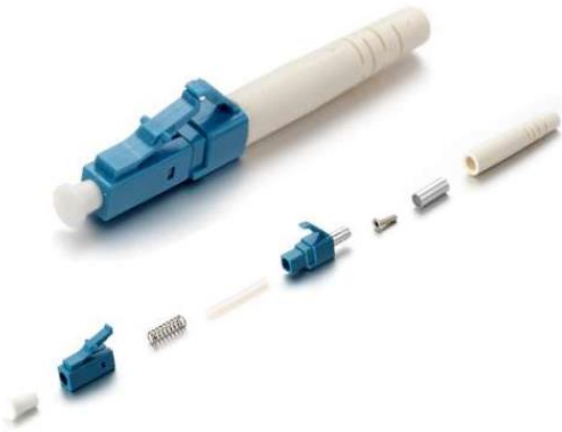
LC UPC connector



Fiber type: Singlemode(SM)
Connector type(A): LC UPC Grade B
Protection class: IP 20
Polishing Angle: 0°
Ferule material: ceramic
Ferule diameter – 1,25mm
Average IL =< 0,15 dB
RL >= 48 dB

Single Mode G657.A1

Characteristics	Conditions	Specified values	Units
Optical Characteristics			
Attenuation	1310nm	≤0.35	[dB/km]
	1383nm (after H_2-aging)	≤0.35	[dB/km]
	1460nm	≤0.25	[dB/km]
	1550nm	≤0.21	[dB/km]
	1625nm	≤0.23	[dB/km]
Attenuation vs. Wavelength Max. α difference	1285-1330nm	≤0.03	[dB/km]
	1525-1575nm	≤0.02	[dB/km]
Dispersion Coefficient	1285-1340nm	≥-3.5 ≤3.5	[ps/(nm² · km]
	1550nm	≤18	[ps/(nm² · km]
	1625nm	≤22	[ps/(nm² · km]
Zero Dispersion Wavelength	--	1300-1324	[nm]
Zero Dispersion Slope	--	≤0.092	[ps/(nm² · km]
Typical Value	--	0.086	[ps/(nm² · km]
PMD	--	--	--
Maximum Individual Fibre	--	≤0.1	[ps/√km]
Link Design Value (M=20, Q=0.01%)	--	≤0.06	[ps/√km]
Typical Value	--	0.04	[ps/√km]
Cable Cutoff Wavelength (λ_{cc})	--	≤1260	[nm]
Mode Field Diameter (MFD)	1310nm	8.4-9.2	[μm]
	1550nm	9.3-10.3	[μm]
Effective Group Index of Refraction (N_{eff})	1310nm	1.466	--
	1550nm	1.467	--
Point Discontinuities	1310nm	≤0.05	[dB]
	1550nm	≤0.05	[dB]

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Geometrical Characteristics			
Cladding Diameter	–	125.0±0.7	[μm]
Cladding Non-Circularity	–	≤0.7	[%]
Coating Diameter	–	235-245	[μm]
Coating-Cladding Concentricity Error	–	≤12.0	[μm]
Coating Non-Circularity	–	≤6.0	[%]
Core-Cladding Concentricity Error	–	≤0.5	[μm]
Curl(radius)	–	≥4	[m]
Delivery Length	–	2.1 to 50.4	[km/reel]
Environmental Characteristics	**1310nm, 1550nm & 1625nm**		
Temperature Dependence Induced Attenuation at	-60°C to +85°C	≤0.05	[dB/km]
Temperature-Humidity Cycling Induced Attenuation at	-10°C to +85°C, 98% RH	≤0.05	[dB/km]
Watersoak Dependence Induced Attenuation at	23°C, for 30 days	≤0.05	[dB/km]
Damp Heat Dependence Induced Attenuation at	85°C and 85% RH, for 30 days	≤0.05	[dB/km]
Dry Heat Aging at	85°C	≤0.05	[dB/km]
Mechanical Specifications			
Proof Test	–	≥9.0	[N]
	–	≥1.0	[%]
	–	≥100	[kpsi]
Macro-bend Induced Loss	–	–	–
10 Turns Around a Mandrel of 15mm Diameter	1550nm	≤0.10	[dB]
10 Turns Around a Mandrel of 15mm Diameter	1625nm	≤0.40	[dB]
1 Turn Around a Mandrel of 10mm Diameter	1550nm	≤0.60	[dB]
1 Turn Around a Mandrel of 10mm Diameter	1625nm	≤1.10	[dB]
Coating Strip Force	typical average force	1.5	[N]
	peak force	≥1.3 ≤8.9	[N]
Dynamic Fatigue Parameter (N_d)	–	27	–

Štandardy:

- **IEC Standard**
- **Telcordia GR-326-CORE**
- **RoHS compliant**

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