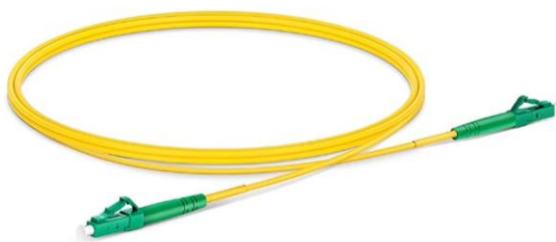


# CFPS9LCALCAYLx | Fiber Optic Patch Cord

## LC/APC to LC/APC OS2 G.657A1 LSZH



\*Images are for representative purposes only

### Product Description:

CTS Fiber Optic Patch Cords consists of fiber optic strands encased in protective jackets with factory pre-terminated fiber connectors on both ends and are ideal to connect various fiber optic components, such as transceivers, switches, and patch panels

### Applications:

Network devices, patch panels, fiber distribution hubs, and other fiber optic components in telecommunications, data centers, and enterprise networks.

### Standards:

Compliant to Telcordia GR326  
ITU-T G.657A1  
TIA/EIA 568-C.3  
IEC61754-04/20  
RoHS Compliant

### Features & Benefits:

Ease of connection and flexibility  
Colour coding for easy identification  
Minimal signal loss

### Specification:

|                       |                                            |
|-----------------------|--------------------------------------------|
| Fiber Type            | Single Mode OS2 compliant to ITU-T G.657A1 |
| Connector Type A      | Simplex LC/APC                             |
| Connector Type B      | Simplex LC/APC                             |
| Jacket / Boot Colour  | Yellow / Green                             |
| Outer Diameter        | 2.0 ± 0.1 mm                               |
| Jacket Sheath         | LSZH                                       |
| Insertion Loss        | <= 0.3 dB                                  |
| Return Loss           | >= 60 dB                                   |
| Operating temperature | -25°C to +70°C                             |
| Durability            | > 500 times                                |



# CFPS9LCALCAYLx | Fiber Optic Patch Cord

## LC/APC to LC/APC OS2 G.657A1 LSZH



### Optical Fiber Specification:

|                                            |                                |                        |           |
|--------------------------------------------|--------------------------------|------------------------|-----------|
| Attenuation before cable pulling           | ≤ 0.35 dB/km @ 1310 nm         | ≤ 0.21 dB/km @ 1550 nm |           |
| Attenuation after cable pulling            | ≤ 0.40 dB/km @ 1310 nm         | ≤ 0.30 dB/km @ 1550 nm |           |
| Zero Dispersion Wavelength                 | 1300 ~ 1324 nm                 |                        |           |
| Zero Dispersion Slope                      | ≤ 0.092 ps/nm <sup>2</sup> ·km |                        |           |
| Cable Cutoff Wavelength (λ <sub>cc</sub> ) | ≤ 1260 nm                      |                        |           |
| Macro bending Loss                         | (10 turns; Φ30 mm)             | @1550 nm               | ≤ 0.25 dB |
|                                            |                                | @1625 nm               | ≤ 1.0 dB  |
|                                            | (1 turns; Φ20 mm)              | @1550 nm               | ≤ 0.75 dB |
|                                            |                                | @1625 nm               | ≤ 1.5 dB  |
| Mode Field Diameter @1310 nm               | 8.6 ~ 9.5 ± 0.4 μm             |                        |           |
| Cladding Diameter                          | 125 ± 1 μm                     |                        |           |
| Cladding Non-Circularity                   | ≤ 1.0 %                        |                        |           |
| Core/Clad Concentricity Error              | ≤ 0.5 μm                       |                        |           |
| Proof Stress                               | ≥ 1.05 %                       |                        |           |

### Ordering Information:

|                 |                                                                                    |
|-----------------|------------------------------------------------------------------------------------|
| CFPS9LCALCAYL1  | CTS Fiber Patch Cord Simplex LC/APC to LC/APC 2.0mm SM OS2 G.657A1 LSZH Yellow 1M  |
| CFPS9LCALCAYL2  | CTS Fiber Patch Cord Simplex LC/APC to LC/APC 2.0mm SM OS2 G.657A1 LSZH Yellow 2M  |
| CFPS9LCALCAYL3  | CTS Fiber Patch Cord Simplex LC/APC to LC/APC 2.0mm SM OS2 G.657A1 LSZH Yellow 3M  |
| CFPS9LCALCAYL5  | CTS Fiber Patch Cord Simplex LC/APC to LC/APC 2.0mm SM OS2 G.657A1 LSZH Yellow 5M  |
| CFPS9LCALCAYL10 | CTS Fiber Patch Cord Simplex LC/APC to LC/APC 2.0mm SM OS2 G.657A1 LSZH Yellow 10M |
| CFPS9LCALCAYL20 | CTS Fiber Patch Cord Simplex LC/APC to LC/APC 2.0mm SM OS2 G.657A1 LSZH Yellow 20M |

Available Lengths- Replace (1) in the part number with required lengths

