



## Network Cable Fiber

### LinkIT fiber patch OS2 LC/LC 50m

Duplex | SM | LSZH | Yellow

Product number: FPD92LULU-500

## Product Description

This OS2 Duplex fiber optic cable is available in various colors and lengths, featuring LC connectors with UPC polishing on both ends. Designed for singlemode applications with a 9/125  $\mu\text{m}$  core diameter, it supports wavelengths of 1310/1550 nm. The cable offers low insertion loss of  $\leq 0.3$  dB and an optical return loss of  $\geq 55$  dB. With a 2mm diameter, the cable is jacketed in LSZH material, providing fire-retardant and halogen-free properties in compliance with IEC safety standards. It withstands temperatures from  $-40^{\circ}$  to  $+75^{\circ}\text{C}$ , has a bending radius of 20mm, and a tensile load capacity of 150N. Certified to CE and RoHS standards.

## Main Specifications

|   |                  |
|---|------------------|
| <b>Brand</b>                                    | LinkIT           |
| <b>Color</b>                                    | Yellow           |
| <b>Length (m)</b>                               | 50               |
| <b>Category</b>                                 | OS2              |
| <b>Connector type 1</b>                         | LC               |
| <b>Connector type 2</b>                         | LC               |
| <b>Polishing contact 1</b>                      | UPC              |
| <b>Polishing contact 2</b>                      | UPC              |
| <b>Cable type</b>                               | Duplex           |
| <b>Number of fibers</b>                         | 2                |
| <b>Wave length (nm)</b>                         | 1310/1550nm      |
| <b>Core Diameter (<math>\mu\text{m}</math>)</b> | 9/125 Singlemode |

## Extended Specifications

|                        |      |
|------------------------|------|
| <b>Jacket material</b> | LSZH |
|------------------------|------|



|                                 |   |
|---------------------------------|---|
| <b>Anti-kink sleeve</b>         | Moulded   |
| <b>Optical Return Loss (dB)</b> | ≥55dB   |
| <b>Insertion Loss (dB)</b>      | ≤0.3 dB   |
| <b>Operating Temperature</b>    | -40° ~ +75°C  |
| <b>Storage Temperature</b>      | -40° ~ +75°C  |
| <b>Cable Diameter (mm)</b>      | 2.0   |
| <b>Fire properties</b>          | IEC-60332-3-24, IEC 60332-1-2, IEC 61034, IEC 60754-1 |
| <b>Halogenfree</b>              | ✓   |
| <b>Oil resistant</b>            | ✗   |
| <b>Fire retardant version</b>   | ✓   |
| <b>Bending radius (mm)</b>      | 20mm  |
| <b>Tensile loads (N)</b>        | 150N  |
| <b>Certifications</b>           | CE, RoHS  |

## Single packaging

|                          |      |
|--------------------------|------|
| <b>Unit</b>              | PCE  |
| <b>Quantity</b>          | 2    |
| <b>Height (cm)</b>       | 9    |
| <b>Width (cm)</b>        | 22   |
| <b>Length(cm)</b>        | 19   |
| <b>Weight (kg)</b>       | 0,72 |
| <b>Gross Weight (kg)</b> | 0,85 |



## Dimensional Sketches



LinkIT FiberPatch SM G657A2 LC/LC Blue, Green, Grey, Magenta, Yellow, Orange, Red



| Specifications       |   |                         |   |
|----------------------|---|-------------------------|---|
| Connector type:      | LC-LC   | Insertion loss:         | $\leq 0.3\text{dB}$   |
| Fiber mode:          | SM G657A2                                       | Return loss:            | $\geq 55\text{dB}$  |
| Fiber grade:         | G.657.A2 and G.652.D                            | Wave length:            | 1310/1550nm   |
| Polish type:         | UPC   | Optimized Data rate:    | xx  |
| Cable jacket:        | LSZH  | Durability:             | 500 matings   |
| Color:               | Blue, Green, Grey, Magenta, Yellow, Orange, Red | Operating/storage temp: | $-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$  |
| Cable diameter:      | 2mm   | Fire properties:        | Fire retardant and halogen-free IEC 60332-3-24, IEC 60332-1-2, IEC 61034, IEC 60754-1 |
| Minimum bend radius: | 20mm  | IEC standards:          | All CENELEC standards required  |
| Tensile loads:       | 150N  |                         |   |

