

# DATASHEET

## Duplex Jumper LC-FC 9/125 $\mu$ , OS2



### Description

Fiber jumper are well defined components in international standard of structured cabling ISO/IEC11801. Due to many different network protocols created in the last 25 years, also a wide range of connectors had been developed. Some of them are still important today: LC, SC, E2000®, MPO/MTP.

Fiber jumper(patchcord) are defined as shortest connection between passive interface and active deviceport, regarding structured cabling standard. Rating of performance, known as category, as well as performance of total transmission channel, known as link class, Similar descriptions for patchcords: Connection cable, drop cable, adapter cable, interconnecting cord, Jumper

### General data

|                                |            |
|--------------------------------|------------|
| Fibre type                     | Singlemode |
| Category                       | OS2        |
| Bend optimized fiber           | no         |
| Number of fibres               | 2          |
| Anti-kink sleeve               | put-on     |
| Type of connector connection 1 | LC-Duplex  |
| Connector colour 1             | blue       |
| Type of connector connection 2 | FC         |

### Mechanical characteristics

|                               |       |
|-------------------------------|-------|
| Max. Tension                  | 160 N |
| Min. Bending radius (Static)  | 10xOD |
| Min. Bending radius (Dynamic) | 20xOD |

### Cable construction

|                    |           |
|--------------------|-----------|
| Cable type         | I-V(ZN) H |
| Cable Construction | Duplex    |
| Cable $\emptyset$  | 2.0 mm    |

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### Cable sheath

|                     |                           |
|---------------------|---------------------------|
| Colour outer sheath | yellow                    |
| Jacket Material     | LSZH                      |
| Flame retardant     | According to EN 50265-2-1 |
| Halogen free        | acc. IEC60754-1           |
| Low smoke           | acc. IEC61034-1           |

### Environmental conditions

|                       |             |
|-----------------------|-------------|
| Operating Temperature | -20 – 75 °C |
| Storage Temperature   | -20 – 85 °C |

### Transmission characteristics

|                          |                      |
|--------------------------|----------------------|
| Quality class singlemode | B/2 acc. IEC 61753-1 |
|--------------------------|----------------------|

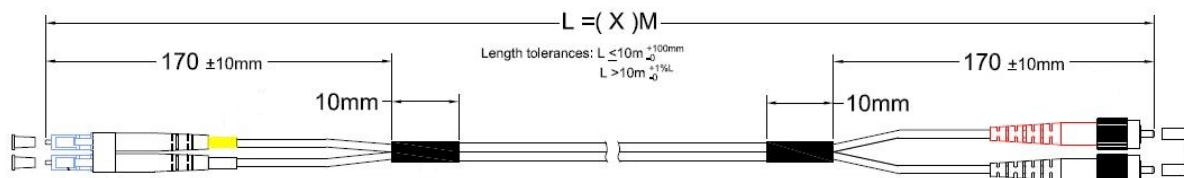
### Standards, approvals, certifications

|                           |             |
|---------------------------|-------------|
| Cable Conform to Standard | IEC 60793-2 |
|---------------------------|-------------|

### Available variants

| Article no. | Title  | Length |
|-------------|--|--------|
| O0340.1     | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 1m   | 1.0 m  |
| O0340.1,5   | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 1.5m | 1.5 m  |
| O0340.2     | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 2m   | 2.0 m  |
| O0340.3     | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 3m   | 3.0 m  |
| O0340.5     | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 5m   | 5.0 m  |
| O0340.7,5   | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 7.5m | 7.5 m  |
| O0340.8     | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 8m   | 8.0 m  |
| O0340.10    | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 10m  | 10.0 m |
| O0340.15    | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 15m  | 15.0 m |
| O0340.20    | Duplex Jumper LC-FC 9/125 $\mu$ , OS2, LSZH, yellow, 2.0mm, 20m  | 20.0 m |

### Technical drawings



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### Technical drawings

| OM-Klassifikation ISO/IEC 11801  |         | OM1 | OM2 | OM3  | OM4  | OM5  |
|--|---------|-----|-----|------|------|------|
| Min. modale Bandbreite mit vollständiger Anregung aller Kernmoden [MHz*km] | 850 nm  | 200 | 500 | 1500 | 3500 | 4700 |
|  | 1300 nm | 500 | 500 | 500  | 500  | 2470 |
| Min. modale Bandbreite (effektive) Laser-Bandbreite [MHz*km]               | 850 nm  | n/s | n/s | 2000 | 4700 | n/s  |
|  | 1300 nm | 1.5 | 1.5 | 1.5  | 1.5  | 1,5  |
| Dämpfung [dB/km]   | 850 nm  | 3.5 | 3.5 | 3.5  | 3.5  | 3,5  |
|  | 1300 nm |     |     |      |      |      |

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