

## Duplex Jumper LC-LC 50/125μ, OM4, Flat Twin



### Description

The Flat Twin Duplex Jumper have a higher stability due to the additional added outer jacket and can be installed much easier than standard jumper. Also the jacket material is made of LSZH.

### Characteristics

- Additional outer jacket for higher stability and easier installation
- Halogen free according to IEC-60754-2
- Flame retardant according to IEC-60332-1
- Low smoke according to IEC-61034
- Cable whip length of 150 mm inclusive connector
- Same colour of Cable whip and jacket material
- Compact cable diameter of 3x5 mm
- Simple allocation of the fibers with boots in different colours or A/B markers
- Possibility of coding with clips enclosed to the delivery

### General data

|                                |                  |
|--------------------------------|------------------|
| Fibre type                     | Multimode 50/125 |
| Category                       | OM4              |
| Number of fibres               | 2                |
| Anti-kink sleeve               | put-on           |
| Type of connector connection 1 | LC-Duplex        |
| Connector colour 1             | beige            |
| Type of connector connection 2 | LC-Duplex        |
| Connector colour 2             | beige            |

### Cable construction

|                    |            |
|--------------------|------------|
| Cable type         | I-V(ZN) HH |
| Cable Construction | Duplex     |
| Cable Ø            | 3x5 mm     |

This datasheet was created automatically on 18-05-2020 . Technical changes reserved.

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### Cable sheath

|                     |                           |
|---------------------|---------------------------|
| Colour outer sheath | erica-violet              |
| Jacket Material     | LSZH                      |
| Flame retardant     | according to EN 50265-2-1 |

### Environmental conditions

|                       |             |
|-----------------------|-------------|
| Operating Temperature | -40 – 70 °C |
| Storage Temperature   | -40 – 85 °C |

### Transmission characteristics

|                         |                                  |
|-------------------------|----------------------------------|
| Insertion loss 850nm    | <0,2 dB                          |
| Quality class multimode | A/1 according to IEC-61753-222-2 |

### Standards, approvals, certifications

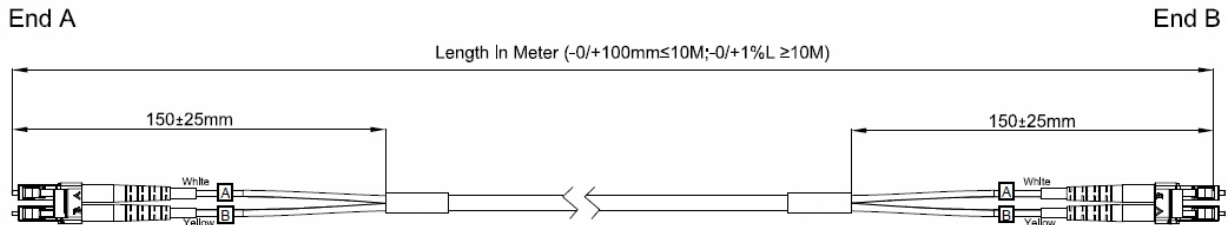
|                               |                          |
|-------------------------------|--------------------------|
| Cabling standard              | ISO/IEC 11801;EN-50173-1 |
| Connector Conform to Standard | IEC 61754-20             |
| Cable Conform to Standard     | IEC 60793-2              |

### Available variants

| Article no. | Title                                                                       | Length |
|-------------|-----------------------------------------------------------------------------|--------|
| O0319FT.0,5 | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 0.5m | 0.5 m  |
| O0319FT.1   | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 1m   | 1.0 m  |
| O0319FT.2   | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 2m   | 2.0 m  |
| O0319FT.3   | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 3m   | 3.0 m  |
| O0319FT.5   | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 5m   | 5.0 m  |
| O0319FT.7,5 | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 7.5m | 7.5 m  |
| O0319FT.10  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 10m  | 10.0 m |
| O0319FT.15  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 15m  | 15.0 m |
| O0319FT.20  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 20m  | 20.0 m |
| O0319FT.25  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 25m  | 25.0 m |
| O0319FT.30  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 30m  | 30.0 m |
| O0319FT.35  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 35m  | 35.0 m |
| O0319FT.40  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 40m  | 40.0 m |
| O0319FT.45  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 45m  | 45.0 m |
| O0319FT.50  | Duplex Jumper LC-LC 50/125μ, OM4, LSZH, erica violet, Flat Twin 3x5mm, 50m  | 50.0 m |

## Duplex Jumper LC-LC 50/125 $\mu$ , OM4, Flat Twin

### 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  |
|                                                                            |         |     |     |      |      |      |