

# DATASHEET

## INFRALAN® Duplex Patchcable LC-LC OM3 1m LSZH 2mm aqua



### General data

The INFRALAN® LC fiber optic patch cables consist of defined components that are conform to structured cabling according to ISO/IEC 11801 and EN50173-x. The connectors used comply with IEC 61754-20 and meet the quality class B/2 according to IEC 61753-1 for the singlemode version and the quality class A/1 according to IEC 61753-122-2 for the multimode versions. The assembled patch cable has a halogen-free and flame-retardant sheath that complies with IEC 60754-2, IEC 60332-1 and IEC 61034 standards.

#### Application:

- Connecting active components
- Connecting passive components
- Connection of active connection elements
- Industrial cable connections
- subscriber connections

#### Delivery:

The INFRALAN® LC fiber optic patch cable is packed in a polybag containing a measurement report and clips for coding. Furthermore, the fiber is marked on the outer sheath with the INFRALAN® logo.

### Technical properties

|                      |                       |
|----------------------|-----------------------|
| Anti-kink sleeve     | put-on                |
| Bend optimized fiber | no                    |
| Cable structure      | Duplex                |
| Cable type           | I-V(ZN) H             |
| Cable Ø              | 2 mm                  |
| Category             | OM3                   |
| Colour outer sheath  | aqua                  |
| Fibre type           | Multimode 50/125      |
| Flame retardant      | acc. to IEC 60332-1-2 |

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|                                |                                                                            |
|--------------------------------|----------------------------------------------------------------------------|
| Halogen free                   | acc. to IEC 62821                                                          |
| Insertion loss 850nm           | ≤0,25 dB                                                                   |
| Low smoke                      | acc. to IEC 61034                                                          |
| Material outer sheath          | LSZH                                                                       |
| Min. Bending radius (Dynamic)  | >20xOD mm                                                                  |
| Min. Bending radius (Static)   | >10xOD mm                                                                  |
| Number of fibres               | 2                                                                          |
| Operating Temperature          | -20 – 60 °C                                                                |
| Packaging                      | EFB-Electronics poly bag (resealable)                                      |
| Reinforcement                  | Aramid                                                                     |
| Return loss 850nm              | ≥35 dB                                                                     |
| Scope of delivery              | 1x Patchcable, 2x Duplex Clip, 1x Measurement Report, 1x Information Sheet |
| Storage Temperature            | -20 – 70 °C                                                                |
| Type of connector connection 1 | LC                                                                         |
| Type of connector connection 2 | LC                                                                         |

### Available variants

| ArtNr.               | Bezeichnung                                              | Length | Length tolerance |
|----------------------|----------------------------------------------------------|--------|------------------|
| IPL-DR-LCULCU-3-0050 | INFRALAN® Duplex Patchcable LC-LC OM3 0,5m LSZH 2mm aqua | 0.5 m  | ±5 %             |
| IPL-DR-LCULCU-3-0100 | INFRALAN® Duplex Patchcable LC-LC OM3 1m LSZH 2mm aqua   | 1.0 m  | ±5 %             |
| IPL-DR-LCULCU-3-0150 | INFRALAN® Duplex Patchcable LC-LC OM3 1,5m LSZH 2mm aqua | 1.5 m  | ±5 %             |
| IPL-DR-LCULCU-3-0200 | INFRALAN® Duplex Patchcable LC-LC OM3 2m LSZH 2mm aqua   | 2.0 m  | ±5 %             |
| IPL-DR-LCULCU-3-0300 | INFRALAN® Duplex Patchcable LC-LC OM3 3m LSZH 2mm aqua   | 3.0 m  | ±5 %             |
| IPL-DR-LCULCU-3-0500 | INFRALAN® Duplex Patchcable LC-LC OM3 5m LSZH 2mm aqua   | 5.0 m  | ±5 %             |
| IPL-DR-LCULCU-3-0750 | INFRALAN® Duplex Patchcable LC-LC OM3 7,5m LSZH 2mm aqua | 7.5 m  | ±5 %             |
| IPL-DR-LCULCU-3-1000 | INFRALAN® Duplex Patchcable LC-LC OM3 10m LSZH 2mm aqua  | 10.0 m | ±5 %             |

### Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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