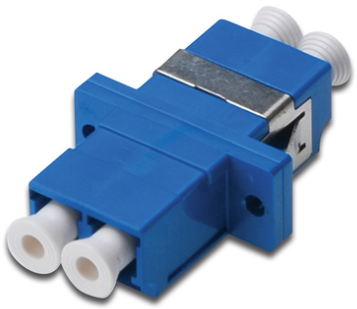
# DIGITUS® Fiber optic coupling, duplex, LC to LC, SM, OS2

**DN-96007-2**

**EAN 4016032501503**



**FO coupler, Duplex, LC to LC, SM, OS2, Blue ceramic sleeve, polymer housing, incl. screws**

Fiber optic couplers are indispensable components in modern optical networks and enable a precise and stable connection between two fiber optic connectors. Specially developed for use in splice boxes, patch panels and junction boxes, they ensure reliable signal transmission with minimal attenuation. Each coupler is equipped with a high-quality ceramic sleeve, which guarantees an exact plug connection and a long service life. This makes the adapters perfect for data networks, FTTH installations, data centers and telecommunications networks where stable performance and low losses are crucial. The compact design enables easy installation in splice boxes. Supplied dust caps keep the ferrules clean during storage and installation. By using fiber optic couplers in splice boxes, network operators benefit from space-saving, highly reliable connections that ensure maximum availability and simplified maintenance.

**Fiber optic couplings enable precise and low-loss connections in splice housings. Ceramic sleeves ensure reliable performance in data and telecommunications networks.**

- Fiber type : Single mode OS2
- Connector types : LC (UPC) Duplex
- Alignment sleeve : Ceramic (zirconia) for high precision
- Insertion loss : ⊠ 0.2 dB
- Return loss : ⊠ 50 dB (UPC)
- Mating cycles : > 500 mating cycles
- Color : Blue
- Housing material : High quality plastic
- Operating temperature : -25 °C - +70 °C

**Package contents**

- Fiber optic coupling, duplex, LC to LC, SM OS2
- Fastening screws

**Logistics**

| | Number (pcs) | Weight (kg) | Depth (cm) | Width (cm) | Height (cm) | cm³ |
|---|---|---|---|---|---|---|
| **Packaging Unit Carton** | 1500 | 6.04 | 26.00 | 25.50 | 36.00 | 23,868.00 |
| **Packaging Unit Inside** | 50 | 0.20 | 22.00 | 14.50 | 2.00 | 638.00 |
| **Packaging Unit Single** | 1 | 0.00 | 2.00 | 2.00 | 0.50 | 2.00 |
| **Net single without Packaging** | 1 | 0.01 | 0.90 | 2.90 | 1.30 | 0.00 |

**Safety notes**

- Avoid direct contact with light sources: Fiber optic cables, especially those with active light sources such as lasers (e.g. in optical communication systems), can emit dangerous radiation that can damage
- eyes. Take care never to look directly into the light of an optical fiber, even if the light source is invisible to the naked eye.
- When working with fiber optic cables, especially during tests or when working with lasers, protective goggles should always be worn to protect against harmful radiation.
- When plugging and unplugging the cable, only grasp the plug and do not pull directly on the cable.
- Do not kink or crush: Fiber optic cables are sensitive to mechanical stress.


Druckfehler, Irrtümer und technische Änderungen sind vorbehalten. | Printing errors, falsities and technical changes remain reserved.

- To protect cables from physical damage, they should be laid in special ducts or with protective materials
- Keep cable connectors clean: Fiber optic cables are sensitive to dust and dirt. Even small particles on the connectors can severely impair the signal quality.
- Cables should not be used in environments with extremely high or very low temperatures. Observe the product information on the maximum operating temperature of the cable
- Check cables regularly for visible damage such as cracks, kinks or signs of wear. Defective cables should be replaced immediately.

**EU responsible person**

EU based economic operator ensuring the product complies with the required regulations.

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