

DIGITUS Fiber optic coupler, Duplex, SC to SC, Multimode OM4

DN-96018-2

EAN 4016032501459



FO Coupler, Duplex, SC to SC, MM OM4, Violet ceramic sleeve, polymer housing, incl. screws

Fiber optic couplers are essential components in modern optical networks, enabling precise and stable connections between two fiber optic connectors. Specifically designed for use in splice boxes, patch panels, and outlet boxes, they ensure reliable signal transmission with minimal attenuation. Each coupler is equipped with a high-quality ceramic sleeve that guarantees accurate connector alignment and long service life. This makes the adapters ideal for data networks, FTTH installations, data centers, and telecommunications networks where stable performance and low loss are critical. The compact design allows for easy installation in splice boxes. Included dust caps keep the ferrules clean during storage and installation. By using fiber optic couplers in splice boxes, network operators benefit from

space-saving, and highly reliable connections that ensure maximum availability and simplified maintenance.

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

- Fiber type: Multimode OM4
- Connector type: SC (UPC) Duplex
- Alignment sleeve: Ceramic (zirconia) for high precision
- Insertion loss: ≤ 0.2 dB
- Return loss: ≥ 50 dB (UPC)
- Mating cycles: > 500 connections
- Color: Violet
- Housing material: High-quality plastic
- Operating temperature: -25 °C to $+70$ °C

Logistics

	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	1000	10.10	26.00	25.50	36.00	23,868.00
Packaging Unit Inside	20	0.20	22.00	14.50	2.00	638.00
Packaging Unit Single	1	0.01	1.00	3.00	3.00	9.00
Net single without Packaging	1	0.01	0.90	2.80	3.40	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.
- 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.

ASSMANN Electronic GmbH

Auf dem Schüffel 3

Lüdenscheid, Germany

<https://www.assmann.com>

info@assmann.com