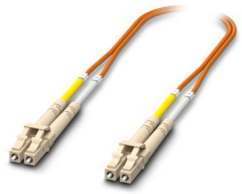
FOC-LC:A-LC:A-GZ01/... - FO patch cable

1405688

https://www.phoenixcontact.com/us/products/1405688

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 µm, OM2, plug: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets

Your advantages

- Multimode patch cable with outstanding optical and mechanical properties for indoor installation
- Ideal for use in distributor systems and for connecting termination devices
- Fire protection with LSZH sheath and UL 94 V0 components
- Interferometer tests at every stage of the certification process
- Satisfies optical and mechanical industry standards
- Connector with UPC polishing for optimum attenuation values
- Temperature change test in accordance with IEC 61300-2-1
- Vibration test according to IEC 61300-2-1
- Tensile strength of the cable connection according to IEC 61300-2-5
- Comprehensively tested according to IEC 61753-122-2 and IEC 61753-1 Cat. C

Commercial data

Item number	1405688
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB50
Product key	ABNIBC
Customs tariff number	85447000
Country of origin	DE

Technical data

Product properties

Product type	Data cable preassembled
Application	Standard
Number of positions	2

Electrical properties

Attenuation	≤ 0.5 dB (with 850 nm)
	≤ 0.5 dB (with 1300 nm)
Transmission medium	FO
Transmission speed	1 Gbps (OM2)

Mechanical properties

Tensile strength short-term/long-term	50 N

Mechanical data

Insertion/withdrawal cycles	≥ 500

Material specifications

Material Housing	Plastic
Material Ferrule	Zirconia ceramic
Flammability rating according to UL 94	V0
Outer sheath, material	FRNC

Dimensions

Diameter Ferrule	1.25 mm

External dimensions

External diameter min.	2.00 mm
External diameter max.	4.20 mm

Connector

Connection 1

Type	Plug straight LC / IP20
Degree of protection	IP20

Connection 2

Type	Plug straight LC / IP20
Degree of protection	IP20

Cable/line

Cable weight	8.3 kg/km
Cable type	Fiberglass
Cable type	Zip cord

External cable diameter	2.00 mm (Zip cord)
Outer sheath, material	LSZH
External sheath, color	orange
Wire diameter incl. insulation	900 µm
Individual wire diameter	900 µm
Single wire, color	-
Tensile strength short-term/long-term	600 N
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Halogen-free	complying with IEC 60754-1/2
Flame resistance	yes

FO cable

Fiber	Fiberglass, 50/125 µm
Fiber type	Multimode fiberglass 50/125 µm
Cable, attenuation	3.0 dB/km (at 850 nm), 0.7 dB/km (at 1,300 nm)
Transmission medium	Multi-mode fiberglass

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 70 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 50 °C
Resistance to oil	no

Standards and regulations

Flame resistance	yes
Resistance to oil	no

Classifications

ECLASS

ECLASS-13.0	27061003
ECLASS-15.0	27061003

ETIM

ETIM 10.0	EC002700

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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