PHŒNIX CONTACT

FO patch cable - FOC-ST:A-LC:A-GZ01/1 - 1409816

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 µm, OM2, plug: LC/B-FOC (ST), degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

Your advantages

☑ Multi-mode patch cable for indoor installation

☑ Ideal for use in distributor systems and for connecting termination devices

☑ All components satisfy UL 94, V0

☑ 2.8 mm single elements made from halogen-free and flame-retardant material

☑ Interferometer tests at every stage of the certification process

☑ Excellent mechanical and optical properties

☑ Satisfies optical and mechanical industry standards

☑ Connector with UPC polishing for optimum attenuation values

☑ Insertion loss $\leq$ 0.5 dB

☑ Return loss $\geq$ 35 dB

☑ Comprehensively tested according to IEC 61753-122-2 and IEC 61753-1 Cat. C

☑ Temperature fluctuation test according to IEC 61300-2-1

☑ Vibration test according to IEC 61300-2-1

☑ Tensile strength of the cable connection according to IEC 61300-2-5

| RoHS | IP20 |

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 882439
GTIN	4046356882439
Weight per Piece (excluding packing)	40.000 g
Custom tariff number	85447000
Country of origin	Germany

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Technical data

Mechanical characteristics

Insertion/withdrawal cycles	≥ 500
Weight	36.2 g
Flammability rating according to UL 94	V0

Ambient conditions

Ambient temperature (operation)	-10 °C ... 60 °C
Ambient temperature (assembly)	-5 °C ... 50 °C
Ambient temperature (storage/transport)	-10 °C ... 60 °C

Electrical characteristics

Transmission speed	10 Gbps
Lateral strength	60 N/cm

Standards and Regulations

Flame resistance	yes
Halogen-free	complying with IEC 60754-1/2
Flammability rating according to UL 94	V0

Line characteristics

Type of cable	Zip cord
Cable type	Fiberglass
Cable abbreviation	I-V(ZN)H
External cable diameter	2.8 mm (Zip cord)
Wire colors	-
External sheath, color	orange
Wavelength	850, 1300 nm
Transmission medium	Multi-mode fiberglass
Number of fibers	2
Fiber type	Multi-mode 50/125 µm fiberglass
Fiber	50/125 µm
Cable, attenuation	2.7 dB/km (at 850 nm); 0.8 dB/km (at 1300 nm)
Outer sheath, material	LSZH
Cable weight	15.80 kg/km
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Tensile strength short-term/long-term	600 N
cable layer type	Indoors
Flame resistance	yes
Halogen-free	complying with IEC 60754-1/2

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Technical data

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27061003
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27061003
eCl@ss 9.0	27061003

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC000034
ETIM 5.0	EC001263
ETIM 6.0	EC001263
ETIM 7.0	EC001263

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	26121607
UNSPSC 18.0	26121607
UNSPSC 19.0	26121607
UNSPSC 20.0	26121607
UNSPSC 21.0	26121607

Approvals

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Approvals

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UL Listed / EAC

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E308814-20070105

EAC	EAC		B.01742

Accessories

Accessories

Fiber optic coupling - FL MM PATCH COUPLER LC-LC - 2700312

Coupling, LC/LC, can be used for multi-mode glass fibers

Fiber optic coupling - PSM-SET-BFOC-LINK/2 - 2799429

Coupling; set consisting of 2 couplings for connecting B-FOC plugs

Additional products

FO patch cable - FOC-ST:A-LC:A-GZ01/1 - 1409816

Accessories

FO accessories - FOC-TOOL-FERRULECLEANER-2.50 - 1407029

2.50 mm ferrule cleaner, for ST, SC, FC, E2000 (also APC), approx. 500 cleaning cycles

FO accessories - FOC-TOOL-FERRULECLEANER-1.25 - 1407032

Ferrule cleaner, 1.25 mm, for LC, approx. 500 cleaning cycles