

## FO patch cable - FOC-LC:A-LC:A-GZ01/2 - 1400604

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125  $\mu\text{m}$ , OM2, plug: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 2 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



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 734752 |
| GTIN                                 | 4046356734752   |
| Weight per Piece (excluding packing) | 10.000 g  |
| Custom tariff number                 | 85447000  |
| Country of origin                    | Germany   |

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## Technical data

### Mechanical characteristics

|  |        |
|--|--------|
| Number of slots                        | 2      |
| Insertion/withdrawal cycles            | ≥ 500  |
| Weight                                 | 44.8 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   |

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## Technical data

### Line characteristics

|              |                              |
|--------------|------------------------------|
| Halogen-free | complying with IEC 60754-1/2 |
|--------------|------------------------------|

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## 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 |

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## Approvals

Approvals

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Approvals

UL Listed / EAC

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Ex Approvals

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## Approval details

|           |  |   |                  |
|-----------|--|---|------------------|
| UL Listed |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | E308814-20070105 |
|-----------|--|---|------------------|

|     |  |  |         |
|-----|--|--|---------|
| 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

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## Additional products

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



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

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