

# FO patch cable - FL MM PATCH 5,0 LC-SC - 2901800

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m

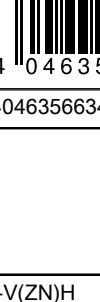


## Your advantages

- ✓ Multi-mode patch cable for indoor installation
- ✓ Ideal for use in distributor systems and for connecting termination devices
- ✓ 2.8 mm single elements made from halogen-free and flame-retardant material



## Key Commercial Data

|              |  |
|--------------|--|
| Packing unit | 1 pc   |
| GTIN         | <br>4 046356 634328 |
| GTIN         | 4046356634328  |

## Technical data

### Cable type

|                    |                                 |
|--------------------|---------------------------------|
| Cable abbreviation | I-V(ZN)H                        |
| Cable type         | Multimode fiberglass            |
| Cable weight       | 15.80 kg/km                     |
| Type of cable      | Break-out cable                 |
| Fiber              | 50/125 µm OM2                   |
| Fiber type         | Multi-mode 50/125 µm fiberglass |

### Ambient conditions

|   |   |
|---|---|
| Ambient temperature (operation)         | -5 °C ... 70 °C                                 |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C                                |
| Ambient temperature (installation)      | -5 °C ... 50 °C                                 |
| Resistance to oil                       | Not resistant to oil, gasoline, acids, and lyes |

### External sheath

# FO patch cable - FL MM PATCH 5,0 LC-SC - 2901800

## Technical data

### External sheath

|   |                             |
|---|-----------------------------|
| Outer sheath, material                  | FRNC                        |
| External sheath, color                  | orange                      |
| External sheath, strain relief elements | Non-metallic, aramide fiber |
| External diameter max.                  | 5.7 mm                      |
| External diameter min.                  | 2.8 mm                      |

### Single wire

|                                     |                              |
|-------------------------------------|------------------------------|
| Single wires, quantity              | 2                            |
| Individual wire, diameter           | 900 µm                       |
| Single wire, strain relief elements | Non-metallic, aramide fibers |

### Mechanical properties

|                                       |            |
|---------------------------------------|------------|
| Bending radius short term/long term   | 30 mm      |
| Bending radius, long-term             | 60 mm      |
| Lateral pressure, long-term           | 60.00 N/cm |
| Tensile strength short-term/long-term | 600 N      |
| Cable, attenuation                    | 2.5 dB/km  |
|                                       | 0.7 dB/km  |
| Numerical aperture                    | 0.2        |

### General

|   |             |
|---|-------------|
| Cable weight                            | 15.80 kg/km |
| Transmission characteristics (category) | OM2         |
| Transmission speed                      | 1 Gbps      |
| Degree of protection                    | IP20        |

### Behavior in fire

|                        |                              |
|------------------------|------------------------------|
| Flame resistance       | according to DIN 60332-1-2   |
|                        | IEC 60332-3-22 (Cat. A)      |
| Concentration of fumes | in accordance with IEC 61034 |
| Halogen-free           | According to IEC 60754-2     |
| Behavior in fire       | No corrosive or toxic fumes  |
|                        | 0.36 MJ/m                    |

### Attenuation

|         |           |
|---------|-----------|
| 850 nm  | 2.5 dB/km |
| 1300 nm | 0.7 dB/km |

### Standards and Regulations

|                        |   |
|------------------------|---|
| Concentration of fumes | in accordance with IEC 61034                    |
| Flame resistance       | according to DIN 60332-1-2                      |
|                        | IEC 60332-3-22 (Cat. A)                         |
| Resistance to oil      | Not resistant to oil, gasoline, acids, and lyes |
| Halogen-free           | According to IEC 60754-2                        |

# FO patch cable - FL MM PATCH 5,0 LC-SC - 2901800

## Technical data

### Standards and Regulations

|                  |                             |
|------------------|-----------------------------|
| Behavior in fire | No corrosive or toxic fumes |
|                  | 0.36 MJ/m                   |

### Environmental Product Compliance

|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| 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    | 27250500 |
| eCl@ss 4.1    | 27250500 |
| eCl@ss 5.0    | 27259200 |
| eCl@ss 5.1    | 27259200 |
| eCl@ss 6.0    | 27259200 |
| eCl@ss 7.0    | 27259207 |
| eCl@ss 8.0    | 27061003 |
| eCl@ss 9.0    | 27061003 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000034 |
| ETIM 3.0 | EC000034 |
| ETIM 4.0 | EC000034 |
| ETIM 5.0 | EC001263 |
| ETIM 6.0 | EC001263 |
| ETIM 7.0 | EC001263 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121607 |
| UNSPSC 7.0901 | 26121607 |
| UNSPSC 11     | 26121607 |
| UNSPSC 12.01  | 26121607 |
| UNSPSC 13.2   | 26121607 |
| UNSPSC 18.0   | 26121607 |
| UNSPSC 19.0   | 26121607 |
| UNSPSC 20.0   | 26121607 |
| UNSPSC 21.0   | 26121607 |

## FO patch cable - FL MM PATCH 5,0 LC-SC - 2901800

### Accessories

#### Accessories

#### Adapter

Fiber optic coupling - FL COUPLER SC-DUPLEX - 2901788



Coupling, SC duplex/SC duplex, compatible with multi-mode and single mode glass fibers, PCF, and polymer fibers

---

### Data cable by the meter

FO cable - PSM-LWL-GDM-RUGGED- 50/125 - 2799322



Fiber glass cable, duplex 50  $\mu$ m/125  $\mu$ m, by the meter, without male connector, for installation in stationary systems and machines

---

FO cable - PSM-LWL-GDO- 50/125 - 2799432



Fiberglass cable, duplex 50/125  $\mu$ m, by the meter, without connector, for outdoor installation

---

### Data cable preassembled

FO patch cable - FOC-GDM-RUGGED-1016/IP20/... - 2901558



Robust GOF installation cable for assembly (IP20 heads only) for installation in stationary systems and machines, aramid strain-relief elements, with individual elements made from FRNC material, halogen-free, ozone and UV resistant, with a polyurethane (PUR) outer sheath

---

FO patch cable - FOC-GDM-RUGGED-1016/... - 1402193



rugged GOF installation cable for inner areas with highly tear-proof aramid strain-relief elements. Individual elements consist of highly flexible FRNC material. The cable is halogen-free, ozone and UV resistant and has a rugged polyurethane (PUR) outer sheath.

---

## FO patch cable - FL MM PATCH 5,0 LC-SC - 2901800

### Accessories

FO patch cable - FOC-GDO-1017/IP20/... - 2901559



Highly rugged GOF round cable (IP20 heads only) for assembly and for outdoor installation with integrated moisture barrier as well as rodent-proof scrim. Individual elements made from highly flexible FRNC material. The wire is ozone and UV resistant with a very rugged polyethylene outer sheath.

---

### Data plug

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



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

---

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



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

---

### Fiber optics connector (device side)

SC-RJ female insert - VS-SCRJ-GOF-BU/BU - 1652978



SC-RJ socket insert, duplex, for VS-A-F-IP67 panel mounting frame, can be used for fiberglass (multi-mode and single mode), PCF, and polymer fibers

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Fibre Optic Cable Assemblies](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[7-21002-9](#) [760-1518](#) [FA04390-50-M-72-LC-N](#) [MLB 501 V RED](#) [MLB 501 V YELLOW](#) [1-3636-600-5208](#) [2061529-7](#) [1-6693182-0](#)  
[1754898-1](#) [21055-6](#) [FXBSCSCE2LM002](#) [3000005](#) [3-21053-2](#) [MLB 200/1 V BLACK](#) [5492011-6](#) [106284-7000](#) [5492011-5](#) [5492011-8](#)  
[5492011-9](#) [8-21007-5](#) [2123524-2](#) [2123524-1](#) [106386-4447](#) [DFSM-SCSC-2M](#) [2123909-4](#) [2123909-8](#) [106273-0629](#) [2125046-1](#) [2821236-3](#)  
[2821310-2](#) [2821310-3](#) [2821313-4](#) [FX2ERLNLNSNM0.5](#) [CF-980062-074](#) [CF-901200-394](#) [CF-980062-073](#) [CF-980062-071](#) [CF-980062-075](#)  
[CF-980062-072](#) [17-300310-100](#) [2821236-2](#) [2821313-1](#) [G-FC-FC-S-002.0-DX-A-18-Y](#) [G-E2A-E2A-S-003.0-SX-A-18-Y](#) [956-322-502214](#)  
[FA04474](#) [1083665](#) [1111540](#) [1111843](#) [1115533](#)