

## FO patch cable - FL MM PATCH 2,0 LC-LC - 2989255

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Assembled FO cable, break out cable, multimode fiberglass 50/125 µm (OM2), connector: 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
- ✓ 2.8 mm single elements made from halogen-free and flame-retardant material



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 354769
GTIN	4046356354769

### Technical data

#### Cable type

Cable abbreviation	I-V(ZN)H
Cable type	Multimode fiberglass
Cable weight	15.80 kg/km

#### 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

Outer sheath, material	FRNC
External sheath, color	orange
External sheath, strain relief elements	Non-metallic, aramide fiber

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## Technical data

### External sheath

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
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

Cable, attenuation	2.5 dB/km (at 850 nm), 0.7 dB/km (at 1300 nm)
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### 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
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

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## Technical data

### Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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## 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	EC001263
ETIM 3.0	EC001263
ETIM 4.0	EC001263
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

## Approvals

### Approvals

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Approvals

EAC

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## Approvals

Ex Approvals

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### Approval details

EAC		B.01687
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## 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

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## 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

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## Data cable preassembled

## FO patch cable - FL MM PATCH 2,0 LC-LC - 2989255

### Accessories

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 - 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)

## FO patch cable - FL MM PATCH 2,0 LC-LC - 2989255

### Accessories

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

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