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FO patch cable - FL SM PATCH 5,0 LC-SC - 2901827

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Assembled fiber optic cable, break-out cable, fiberglass single mode 9/125 µm (OS2, Low Water Peak Fiber) connector: LC/SC duplex, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 5 m

Your advantages

☑ Single-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

RoHS | IP20

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 634168
GTIN	4046356634168

Technical data

Cable type

Cable abbreviation	I-V(ZN)H
Cable type	Single-mode fiberglass
Fixed cable length	5.00 m
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	yellow

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Technical data

External sheath

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	0.38 dB/km
	0.28 dB/km

General

Conductor length	5.00 m
Cable weight	15.80 kg/km
Transmission characteristics (category)	OS2
Transmission speed	10 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

1300 nm	0.38 dB/km
1550 nm	0.28 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
Behavior in fire	No corrosive or toxic fumes
	0.36 MJ/m

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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 11.0	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

Accessories

Accessories

Adapter

https://www.phoenixcontact.com/pi/products/2901827

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Accessories

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 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 SM PATCH COUPLER LC-LC - 2700313

Coupling, LC/LC, can be used for single 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