FOC-LC:PA-ST:PA-OS2:D01/10 - FO patch cable

1146549

https://www.phoenixcontact.com/us/products/1146549

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 documentation. Our general terms of use for downloads are valid.

Single-mode OS2 duplex jumper, LC-ST, UPC polishing, length 10 m



Your advantages

- Glass fiber optical, 8-shaped FO cable jumper
- Made of halogen-free flame-retardant material, RoHS compliant
- Excellent mechanical and optical properties
- Indoor use, suitable for FO distribution and termination devices
- Made of halogen-free flame-retardant material, RoHS compliant
- All components satisfy UL 94, V0
- Satisfies industry standards for optical and mechanical properties
- Insertion loss ≤0.5 dB (varies depending on the condition)
- Connector with UPC polishing for optimum attenuation values

Commercial data

Item number	1146549
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB16
Product key	ABNIBC
GTIN	4063151137687
Weight per piece (including packing)	88 g
Weight per piece (excluding packing)	81 g
Customs tariff number	85447000
Country of origin	CN

Technical data

Product properties

Product type	Data cable preassembled
Number of positions	2

Electrical properties

Transmission medium	FO
Transmission speed	100 Gbps
Transmission speed	100 GBit/s

Mechanical properties

Tensile strength short-term/long-term	70 N

Mechanical data

Insertion/withdrawal cycles	≥ 500

Material specifications

Flammability rating according to UL 94	V0
Outer sheath, material	LSZH

Dimensions

External dimensions

External diameter min.	2.00 mm
External diameter max.	4.00 mm

Connector

Connection 1

Type	Plug straight LC / IP20
Degree of protection	IP20

Connection 2

Type	Plug straight B-FOC (ST) / IP20
Degree of protection	IP20

Cable/line

Cable length	10 m
Cable weight	5.3 kg/km
Cable type	FO duplex cable
Cable type	Zip cord
Cable abbreviation	I-V(ZN)H
External cable diameter	2x 2.00 mm
Outer sheath, material	LSZH
External sheath, color	yellow

Single wire, number of litz wires	2
Individual wire diameter	900 µm
Bending radius, long-term	50.00 mm
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	16 mm
Tensile strength short-term/long-term	70 N
Lateral pressure, long-term	100.00 N/cm
Halogen-free	complying with IEC 60754-1/2
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes
Concentration of fumes	in accordance with IEC 61034
Flame resistance	yes
Behavior in fire	No corrosive or toxic fumes

FO cable

Fiber	Fiberglass
Fiber type	Single mode fiberglass, 9/125 µm
Attenuation	≤ 0.5 dB/km (1310 nm)
Return Loss	≥ 50 dB
Transmission medium	Single-mode fiberglass

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C
Ambient temperature (assembly)	-20 °C ... 60 °C
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes

Standards and regulations

Behavior in fire	No corrosive or toxic fumes
Flame resistance	yes
Resistance to oil	Not resistant to oil, gasoline, acids, and lyes
Concentration of fumes	in accordance with IEC 61034
Standards/specifications	IEC 61300-3-4
	RL: IEC 61300-3-6

Classifications

ECLASS

ECLASS-13.0	27061003
ECLASS-15.0	27061003

ETIM

ETIM 10.0	EC002700

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

EF3.1 Climate Change

CO2e kg	3.143 kg CO2e

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com