

# FL CAT6 PATCH 2,0 - Patch cable



2891589

<https://www.phoenixcontact.com/us/products/2891589>

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Patch cable, degree of protection: IP20, cable length: 2 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

## Commercial data

Item number	2891589
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABG
GTIN	4046356167550
Weight per piece (including packing)	91 g
Weight per piece (excluding packing)	88.4 g
Customs tariff number	85444210
Country of origin	PL

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## Technical data

### Product properties

Product type	Data cable preassembled
Product family	RJ45 STANDARD CAT6
Number of positions	8
Connection profile	RJ45

### Interfaces

Signal type/category	Ethernet CAT6, 1 Gbps
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### Electrical properties

Contact resistance	$\leq 0.003 \Omega$ (IEC 60603-7)
Nominal voltage $U_N$	48 V
Nominal current $I_N$	1.5 A
Transmission speed	1 Gbps
Transmission speed	1 Gbps

### Mechanical properties

#### Mechanical data

Insertion force per signal contact	30.00 N
Extraction force per signal contact	50 N

### Material specifications

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

### Dimensions

Width	12.6 mm
Height	6.6 mm
Length	40.05 mm

#### External dimensions

External diameter max.	6.2 mm
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### Connector

#### Connection 1

Type	Plug straight RJ45
Shielded	yes
Insertion/withdrawal cycles	$\geq 750$
Degree of protection	IP20

#### Connection 2

Type	Plug straight RJ45
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## Cable/line

Cable length	2.00 m
Signal type/category	Ethernet CAT6, 1 Gbps
External cable diameter	6.00 mm
Outer sheath, material	LSFROH
Single wire, number of litz wires	8
Single wire, material	Cu litz wire
Single wire, cross section	0.14 mm <sup>2</sup>
Shielding	S/FTP
Smallest bending radius, fixed installation	30 mm
Halogen-free	according to IEC 60754-1
Concentration of fumes	in accordance with IEC 61034
Flame resistance	according to IEC 60332-3C

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-10 °C ... 60 °C

## Standards and regulations

Flame resistance	according to IEC 60332-3C
Concentration of fumes	in accordance with IEC 61034

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2891589>



**EAC**

Approval ID: 19060508

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## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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%
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### EF3.1 Climate Change

CO2e kg	4.635 kg CO2e
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