

# FL CAT5 PATCH 1,0 - Patch cable



2832276

<https://www.phoenixcontact.com/za/products/2832276>

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Patch cable, CAT5, assembled, 1 m



## Commercial data

Item number	2832276
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	DIS
Product key	ABNABG
Catalog page	Page 513 (C-2-2019)
GTIN	4046356044004
Weight per piece (including packing)	48,8 g
Weight per piece (excluding packing)	47,9 g
Customs tariff number	85444210
Country of origin	PL

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## Technical data

### Product properties

Product type	Data cable preassembled
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
Shielded	yes

### Insulation characteristics

Overvoltage category	I
Degree of pollution	1

### Electrical properties

Rated voltage (III/2)	150 V
Contact resistance	$\leq 0.003 \Omega$ (IEC 60603-7)
Nominal voltage $U_N$	150 V <sub>rms</sub>
Nominal current $I_N$	1.5 A
Transmission speed	1 Gbps
Wave impedance	100 $\Omega$

### 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
Conductor material	Bare Cu litz wires

### 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	$\geq 750$

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Degree of protection	IP20
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## Connection 2

Type	Plug straight RJ45
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## Cable/line

Cable length	1.00 m
External cable diameter	5.50 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>
Cable cross section	0.14 mm <sup>2</sup>
Conductor material	Bare Cu litz wires
Twisted pairs	yes
Type of pair shielding	none
Overall twist	Twisted pairs
Shielding	SF/UTP
Test voltage Core/Core	1 kV DC (1 min.)
Test voltage Core/Shield	1 kV DC (1 min.)
Test voltage, cable	1 kV DC (1 min.)
Wave impedance	100 Ω
Smallest bending radius, fixed installation	30 mm
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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