

FL CAT5 PATCH 1,0 - Patch cable



2832276

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

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Patch cable, CAT5, assembled, 1 m



Commercial data

Item number	2832276
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABG
GTIN	4046356044004
Weight per piece (including packing)	50 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
Product family	RJ45 STANDARD CAT5
Number of positions	8
Connection profile	RJ45
Shielded	yes

Insulation characteristics

Overvoltage category	I
Degree of pollution	1

Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
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Electrical properties

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

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

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Connection 1

Type	Plug straight RJ45
Shielded	yes
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Connection 2

Type	Plug straight RJ45
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Cable/line

Cable length	1.00 m
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
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 ²
Cable cross section	0.14 mm ²
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	1.00 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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Approvals

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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	1.247 kg CO2e
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