

# FL CAT6 PATCH 0,5 - Patch cable



2891288

<https://www.phoenixcontact.com/us/products/2891288>

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Patch cable, degree of protection: IP20, cable length: 0.5 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2891288       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB11          |
| Product key                          | ABNABG        |
| GTIN                                 | 4046356167529 |
| Weight per piece (including packing) | 32 g          |
| Weight per piece (excluding packing) | 29.6 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 |
|----------------------|-----------------------|

### 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 |
|------------------------|--------|

### 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                                | 0.50 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/2891288>



**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 |
|---|--------------------|

### 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 | 3.071 kg CO2e |
|---------|---------------|

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