

# FL CAT6 PATCH 7,5 - Patch cable

2891880

<https://www.phoenixcontact.com/us/products/2891880>



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.



Patch cable, degree of protection: IP20, cable length: 7.5 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2891880       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB11          |
| Product key                          | ABNABG        |
| GTIN                                 | 4046356167581 |
| Weight per piece (including packing) | 309 g         |
| Weight per piece (excluding packing) | 304.58 g      |
| Customs tariff number                | 85444210      |
| Country of origin                    | PL            |

# FL CAT6 PATCH 7,5 - Patch cable



2891880

<https://www.phoenixcontact.com/us/products/2891880>

## Technical data

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable preassembled |
| Product family      | RJ45 STANDARD CAT6      |
| Sensor type         | Ethernet                |
| Number of positions | 8                       |
| Connection profile  | RJ45                    |

### Electrical properties

|                       |                                   |
|-----------------------|-----------------------------------|
| 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                            |
| 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 |
|------|--------------------|

### Cable/line

# FL CAT6 PATCH 7,5 - Patch cable



2891880

<https://www.phoenixcontact.com/us/products/2891880>

|                                             |                              |
|---------------------------------------------|------------------------------|
| Cable length                                | 7.50 m                       |
| 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 |

# FL CAT6 PATCH 7,5 - Patch cable

2891880

<https://www.phoenixcontact.com/us/products/2891880>



## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2891880>



**EAC**

Approval ID: 19060508

# FL CAT6 PATCH 7,5 - Patch cable

2891880

<https://www.phoenixcontact.com/us/products/2891880>



## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27060307 |
| ECLASS-15.0 | 27060307 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001855 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

# FL CAT6 PATCH 7,5 - Patch cable



2891880

<https://www.phoenixcontact.com/us/products/2891880>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2025 © - 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](mailto:info@phoenixcon.com)