

**Industrial Ethernet**  
**IE-C6FP8LD0005C40C40-Y****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Assembled IE cables, patch cable crossover, Cat. 6, LSZH,  
grey

**General ordering data**

|            |                                                                                                                                  |
|------------|----------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">8818620000</a>                                                                                                       |
| Type       | IE-C6FP8LD0005C40C40-Y                                                                                                           |
| Version    | Patch cable, crossover, RJ45 IP20, RJ45 IP 20,<br>Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), LSZH,<br>0.5 m |
| GTIN (EAN) | 4032248518753                                                                                                                    |
| Qty.       | 1 pc(s).                                                                                                                         |

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## Technical data

### Dimensions

|        |       |
|--------|-------|
| Length | 0.5 m |
|--------|-------|

### Temperatures

|                          |                 |                     |                 |
|--------------------------|-----------------|---------------------|-----------------|
| Operating temperature    | -20 °C...+60 °C | Storage temperature | -20 °C...+60 °C |
| Installation temperature | 0 °C...+50 °C   |                     |                 |

### Electrical properties

|                                       |             |                                        |                            |
|---------------------------------------|-------------|----------------------------------------|----------------------------|
| Current-carrying capacity at 50 °C    | 1 A         | Dielectric strength, contact / contact | ≥ 1000 V DC                |
| Dielectric strength, contact / shield | ≤ 1500 V DC | PoE / PoE+                             | conforming to IEEE 802.3at |

### Standards

|                                                     |                                                                         |                    |                |
|-----------------------------------------------------|-------------------------------------------------------------------------|--------------------|----------------|
| Application-specific communication cable facilities | ANSI / TIA / EIA-568-B.2-10,<br>ISO / IEC 11801:2002,<br>EN50173-1:2007 | Connector standard | IEC 60603-7-51 |
|-----------------------------------------------------|-------------------------------------------------------------------------|--------------------|----------------|

### Cable structure

|                                       |                                                                                                |                            |                            |
|---------------------------------------|------------------------------------------------------------------------------------------------|----------------------------|----------------------------|
| Strands                               | 7                                                                                              | Cross-section              | 4*2*AWG 27/7 - 4*2*0.1 mm² |
| Insulation                            | PE                                                                                             | Insulation cross-section   | 1.04 mm                    |
| No. of wires                          | 8                                                                                              | Arrangement of wire cores  | Twisted pair               |
| Colour sequence or wires - wire pairs | white blue / blue - white<br>orange / orange - white<br>green / green - white brown /<br>brown | Shielding                  |                            |
| Complete shielding                    | Shielding braid made from<br>copper wiring                                                     | Overlap of shielding braid | S/FTP<br>60 %              |
| Material sheath                       | LSZH                                                                                           | Sheath diameter, min.      | 5.5 mm                     |
| Sheath diameter, max.                 | 5.9 mm                                                                                         | Sheathing colour           | light grey (RAL 7035)      |

### Electrical properties of cable

|                          |                                                       |                                                        |            |
|--------------------------|-------------------------------------------------------|--------------------------------------------------------|------------|
| Category                 | Cat.6A / Class E <sub>A</sub> (ISO/IEC<br>11801 2010) | Test voltage: wire-wire-shield, at RMS 50Hz,<br>1 min. | 750 V      |
| Characteristic impedance | 100 ± 15 Ω at 1–100 MHz                               | Deviation                                              | 25 ns/100m |
| Resistance differential  | 5 %                                                   | Capacity at 1 kHz                                      | 46 nF/km   |

### Mechanical and material properties of cable

|                                |                             |                                 |                |
|--------------------------------|-----------------------------|---------------------------------|----------------|
| Min. bending radius, once only | 25 mm                       | Min. bending radius, repetitive | 50 mm          |
| Resistance to spread of flame  | to IEC 60332-1/ UL 1581 FT2 | Halogen                         | to IEC 60754-2 |

### plug

|                        |           |                         |            |
|------------------------|-----------|-------------------------|------------|
| Version connector left | RJ45 IP20 | Version connector right | RJ45 IP 20 |
|------------------------|-----------|-------------------------|------------|

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001262    | ETIM 3.0   | EC001262    |
| UNSPSC     | 26-12-16-09 | eClass 4.1 | 27-06-03-00 |
| eClass 5.1 | 27-06-18-01 | eClass 6.0 | 27-06-18-01 |
| eClass 7.0 | 27-06-18-01 |            |             |

**Data sheet...**

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**Technical data****Approvals**

Approvals