# Industrial Ethernet
# IE-C6FP8LB0030M40M40-B

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Assembled IE cables, patch cable Cabinet Line, Cat. 6, LSZH, blue

## General ordering data

| | |
|---|---|
| Type | IE-C6FP8LB0030M40M40-B |
| Order No. | 1165900030 |
| Version | Patch cable, RJ45 IP 20, RJ45 IP 20, Cat.$6_A$ / Class $E_A$ (ISO/IEC 11801 2010), LSZH, 3 m |
| GTIN (EAN) | 4032248956036 |
| Qty. | 1 pc(s). |

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## Technische Daten

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 3 m | Net weight | 140 g |

### Temperatures

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

### Downloads

| | | | |
|---|---|---|---|
| Canadian UL approval | DUZX7.E349758.pdf | UL Approval | DUZX.E349758.pdf |

### 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, ISO / IEC 11801:2002, EN50173-1:2007 | Connector standard | IEC 60603-7-51 |

### Cable structure

| | | | |
|---|---|---|---|
| Copper diameter | 0.43 mm | 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/orange - orange, white/green - green, white/brown - brown |
| Shielding | S/FTP | Complete shielding | Shielding braid made from copper wiring |
| Overlap of shielding braid | 60 % | Material sheath | LSZH |
| Sheath diameter, min. | 5.5 mm | Sheath diameter, max. | 5.9 mm |

### Electrical properties of cable

| | | | |
|---|---|---|---|
| Category | Cat.$6_A$ / Class $E_A$ (ISO/IEC 11801 2010) | Test voltage: wire-wire-shield, at RMS 50Hz, 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 | in accordance with IEC 60332-1 / UL 1581 FT2 | Halogen | halogen-free, according to IEC 60754-2 |

### plug

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

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## Technische Daten

### Classifications

| | | | |
|---|---|---|---|
| eClass 6.2 | 27-06-03-90 | eClass 7.1 | 27-06-18-01 |

### Approvals

| | |
|---|---|
| Approvals | c UL us LISTED, ME25 |
| ROHS | Conform |

Weidmüller

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## Zeichnungen

### Wiring

