

**Industrial Ethernet
IE-C6FP8LB0003M40M40-B**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Assembled IE cables, patch cable Cabinet Line, Cat. 6,
LSZH, blue

General ordering data

| | |
|------------|---|
| Type | IE-C6FP8LB0003M40M40-B |
| Order No. | 1165900003 |
| Version | Patch cable, RJ45 IP 20, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), LSZH, 0.3 m |
| GTIN (EAN) | 4050118076424 |
| Qty. | 1 pc(s). |

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Technische Daten

Dimensions and weights

| | | | |
|--------|-------|------------|------|
| Length | 0.3 m | Net weight | 25 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 mm ² | 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 |
|------------------------|------------|-------------------------|------------|

Erstellungs-Datum December 17, 2013 12:55:11 PM CET

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

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

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Zeichnungen**Wiring**

| | | | | |
|------|---|---------------|---|------|
| RJ45 | 1 | white, orange | 1 | RJ45 |
| | 2 | orange | 2 | |
| | 3 | white, green | 3 | |
| | 4 | blue | 4 | |
| | 5 | white, blue | 5 | |
| | 6 | green | 6 | |
| | 7 | white, brown | 7 | |
| | 8 | brown | 8 | |