

IE-C6FP8LE0003M40M40-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables, Patch cable Cabinet Line, Cat. 6,
LSZH, yellow

General ordering data

| | |
|------------|---|
| Version | Patch cable, RJ45 IP 20, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), LSZH, 0.3 m |
| Order No. | 125 161003 |
| Type | IE-C6FP8LE0003M40M40-E |
| GTIN (EAN) | 4050118771626 |
| Qty. | 1 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|--------|-----------------|-------------|
| Length | 0.3 m | Length (inches) | 11.811 inch |
| Net weight | 26.4 g | | |

Temperatures

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

Electrical properties

| | | | |
|------------------------------------|-----|------------|----------------------------|
| Current-carrying capacity at 50 °C | 1 A | PoE / PoE+ | conforming to IEEE 802.3at |
|------------------------------------|-----|------------|----------------------------|

General standards

| | | | |
|---|---|-------------------------|---------|
| Application-specific communication cable facilities | ANSI / TIA / EIA-568-B.2-10, ISO / IEC 11801:2002, EN50173-1:2007 | Certificate no. (cULus) | E316369 |
| Connector standard | IEC 60603-7-51 | | |

Standards

| | |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

Cable structure

| | | | |
|----------------------------|---|---------------------------------------|--|
| Arrangement of wire cores | Twisted pair | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| Complete shielding | Shielding braid made from copper wiring | Cross-section | 4*2*AWG 27/7 - 4*2*0.1 mm ² |
| Insulation | PE | Insulation cross-section | 1.04 mm |
| Material sheath | LSZH | Number of wires | 8 |
| Overlap of shielding braid | 60 % | Sheath diameter, max. | 5.9 mm |
| Sheath diameter, min. | 5.5 mm | Sheathing colour | black |
| Shielding | S/FTP | Strands | 7 |
| Wire pair shielding | Aluminium foil | | |

Electrical properties of cable

| | | |
|--------------------------------|--|--------|
| Capacity at 1 kHz | 46 nF/km | |
| Category | Cat.6 _A / Class E _A (ISO/IEC 11801 2010) | |
| Characteristic impedance | 100 ± 15 Ω at 1-100 MHz | |
| Deviation | 25 ns/100m | |
| Operating voltage | 50 V DC | |
| Operating voltage (UL rating) | Voltage type | AC |
| | Operating voltage | 30 V |
| | Voltage type | DC |
| | Operating voltage | 42.4 V |
| Operating voltage (UL rating) | 30 V AC / 42.4 V DC | |
| Operating voltage, UL | 30 V AC / 42.4 V DC | |
| Resistance differential | 5 % | |
| Test voltage: wire-wire-shield | 2.5 kV / DC for 2 sec | |

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Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------|-------------------------------|---|
| Colour | black | Halogen | halogen-free, according to IEC 60754-2 |
| Min. bending radius, once only | 5 x cable diameter | Resistance to spread of flame | in accordance with IEC 60332-2-2, in accordance with IEC 60332-1-2, in accordance with IEC 60332-3-24, in accordance with UL 2556 (FT1) |

Plug

| | | | |
|-----------|---|------------|---|
| Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded | Plug right | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|-----------|---|------------|---|

Plug, left

| | |
|----------------|------------|
| Connector left | RJ45 IP 20 |
|----------------|------------|

Plug, right

| | | | |
|-----------------------|-------------|-----------------|-------------|
| Connector right | RJ45 IP 20 | Contact surface | Au ≥ 0.8 µm |
| Housing main material | PC UL 94 V0 | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 | ECLASS 9.0 | 27-06-03-08 |
| ECLASS 9.1 | 27-06-03-08 | ECLASS 10.0 | 27-06-03-08 |
| ECLASS 11.0 | 27-06-03-08 | ECLASS 12.0 | 27-06-03-08 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E316369 |

Downloads

| | |
|------------|--|
| Catalogues | Catalogues in PDF-format |
|------------|--|

Data sheet

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Drawings

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 | |
