

IE-C6FP8LE0030M40M40-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, 3 m |
| Order No. | 1251610030 |
| Type | IE-C6FP8LE0030M40M40-E |
| GTIN (EAN) | 4050118043303 |
| Qty. | 1 pc(s). |

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|------------|-------|-----------------|-------------|
| Length | 3 m | Length (inches) | 118.11 inch |
| Net weight | 124 g | | |

Temperatures

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

Cable specific standards

| | |
|---|---|
| Application-specific communication cable facilities | ANSI / TIA / EIA-568-B.2-10, ISO / IEC 11801:2002, EN50173-1:2007 |
|---|---|

Electrical properties

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

General standards

| | | | |
|-------------------------|---------|--------------------|----------------|
| Certificate no. (cULus) | E316369 | Connector standard | IEC 60603-7-51 |
|-------------------------|---------|--------------------|----------------|

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

| | | | |
|---------------------------|---|---------------------------------------|--|
| 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 | Copper diameter | 0.43 mm |
| 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 | | |

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 |
| Coupling attenuation up to 1000 MHz | 80 dB |
| Coupling resistance at 10 MHz | 5 mΩ/m |
| Deviation | 25 ns/100m |
| Operating voltage | 50 V DC |

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Technical data

| | | |
|--|---------------------|--------|
| 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 % | |
| Separating class according to EN 50174-2 | d | |
| Speed | 10 GBit/s | |
| Test voltage: wire-wire-shield | 750 V DC, 1 min | |

Mechanical and material properties of cable

| | | | |
|--------------------------------|---|---------------------------------|--|
| Colour | black | Halogen | halogen-free, according to IEC 60754-2 |
| Min. bending radius, once only | 25 mm | Min. bending radius, repetitive | 50 mm |
| 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) | Speed | 10 GBit/s |

Plug, left

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

Plug, right

| | | | |
|-----------------------|-------------|-----------------|-----------------------|
| Connector right | RJ45 IP 20 | Contact surface | Au \geq 0.8 μ m |
| Housing main material | PC UL 94 V0 | Plugging cycles | 750 |

plug

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | 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 |

Approvals

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E316369 |

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Technical data**Downloads**

| | |
|---|--|
| Approval/Certificate/Document of Conformity | DUXR.E316369 |
| Engineering Data | STEP |
| Product Change Notification | PCN-PB47-20180213-00-A_EN PCN-PB47-20180213-00-A_DE |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |

Data sheet**IE-C6FP8LE0030M40M40-E****Weidmüller Interface GmbH & Co. KG**
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Germanywww.weidmueller.com**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 | |

Dimensioned drawing