

IE-C6FP8LG0100M40M40-G

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



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

General ordering data

| | |
|------------|--|
| Version | Patch cable, RJ45 IP 20, RJ45 IP 20, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), LSZH, 10 m |
| Order No. | 1251590100 |
| Type | IE-C6FP8LG0100M40M40-G |
| GTIN (EAN) | 4050118043402 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E316369

Dimensions and weights

| | | | |
|------------|-------|-----------------|---------------|
| Length | 10 m | Length (inches) | 393.7008 inch |
| Net weight | 359 g | | |

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

Electrical properties

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

General standards

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

Certificate no. (cULus) E316369

Standards

Connector standard IEC 60603-7-51

Cable structure

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

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Electrical properties of cable

| | | | |
|--|---------------------|-------------------------------------|---|
| Transmission rate | 10 Gbit/s | Category | <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010) |
| Operating voltage | 50 V DC | Coupling attenuation up to 1000 MHz | 80 dB |
| Separating class according to EN 50174-2 | d | Capacity at 1 kHz | 46 nF/km |
| Coupling resistance at 10 MHz / m | 5.00 mΩ | Test voltage: wire-wire-shield | 2.5 kV / DC for 2 sec |
| Resistance differential | 5 % | Delay skew | 2.5 ns/100m |
| Operating voltage (UL rating) | 30 V AC / 42.4 V DC | Characteristic impedance | 100 ± 15 Ω at 1-100 MHz |

Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------|-------------------------------|---|
| Colour | green | Halogen | halogen-free, according to IEC 60754-2 |
| Min. bending radius, once only | 4 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 right | RJ45, IP20, male contact, straight, plug, Plastic, shielded | Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|------------|---|-----------|---|

Plug, left

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

Plug, right

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

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ETIM 10.0 | EC002599 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 | | |

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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 | |

Dimensioned drawing

