

IE-C6FS8UG0010A40A40-G

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

www.weidmueller.com



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

General ordering data

| | |
|------------|---|
| Version | System cable, RJ45 IP 20, RJ45 IP 20, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), PUR, 1 m |
| Order No. | 8941350010 |
| Type | IE-C6FS8UG0010A40A40-G |
| GTIN (EAN) | 4032248734597 |
| Qty. | 1 Stück |

Erstellungs-Datum June 12, 2023 1:54:42 PM CEST

Katalogstand 09.06.2023 / Technische Änderungen vorbehalten

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Technische Daten

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Length | 1 m | Length (inches) | 39.37 inch |
| Net weight | 52.8 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...85 °C |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 85 °C |
| Installation temperature | -10 °C...60 °C | | |

Cable specific standards

| | | | |
|------------------------|--------------------------|--|--|
| Corrosiveness of fumes | According to EN50288-2-2 | Generic communication cable facilities | ISO / IEC 11801:2002, ANSI / TIA / EIA-568-B.2-10, EN 50173-1:2007 |
|------------------------|--------------------------|--|--|

Electrical properties

| | | | |
|------------|----------------------------|--|--|
| PoE / PoE+ | conforming to IEEE 802.3at | | |
|------------|----------------------------|--|--|

General standards

| | | | |
|-------------------------|---------|--------------------|-----------------|
| Certificate no. (cULus) | E316369 | Connector standard | IEC 60603-7-5 1 |
|-------------------------|---------|--------------------|-----------------|

Standards

| | | | |
|--|--|------------------------|--------------------------|
| Connector standard | IEC 60603-7-5 1 | Corrosiveness of fumes | According to EN50288-2-2 |
| Generic communication cable facilities | ISO / IEC 11801:2002, ANSI / TIA / EIA-568-B.2-10, EN 50173-1:2007 | | |

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 | 1.02 mm |
| Material sheath | PUR | Number of wires | 8 |
| Overlap of shielding braid | 60 % | Sheath diameter, max. | 6.4 mm |
| Sheath diameter, min. | 6 mm | Sheathing colour | green |
| Shielding | S/FTP | Strands | 7 |
| Wire material | Stranded tin-plated copper wire | Wire pair shielding | Aluminium foil |

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Electrical properties of cable

| | | | |
|--------------------------|---|--------------------------------|---|
| Capacity at 1 kHz | 46 nF/km | Category | <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010) |
| Characteristic impedance | 100 ± 15 Ω at 1–100 MHz, 100 ± 22 Ω at 100– 250 MHz, 100 ± 25 Ω at 250–600 MHz | Deviation | 25 ns/100m |
| Signal propagation time | 4.27 ns/m | Test voltage: wire-wire-shield | 750 V DC, 1 min |
| Transmission rate | 10 Gbit/s | | |

Mechanical and material properties of cable

| | | | |
|---------------------------------|---|--------------------------------|-------------------------------------|
| Abrasion resistance | very good | Corrosiveness of fumes | According to EN50288-2-2 |
| Halogen | halogen-free, according to IEC 60754-2 | Min. bending radius, once only | 5 x cable diameter |
| Min. bending radius, repetitive | 10 x cable diameter | Resistance to oils | in accordance with IEC 60811-2-1 |
| Resistance to spread of flame | in accordance with IEC 60332-1 / UL 1581 FT2 | Silicone-free | Yes |
| UV-resistant | Yes | | |

Plug

| | | | |
|------|----------------------------|---|--|
| Plug | Cable side | left | |
| | Version of contact face | RJ45 | |
| | Protection degree (IP) | IP20 | |
| | Gender of contact | male contact | |
| | Outlet direction | straight | |
| | Version of connector | plug | |
| | Housing main material | Plastic | |
| | Status indicator available | No | |
| | Shielding available | Yes | |
| | Cable side | right | |
| | Version of contact face | RJ45 | |
| | Protection degree (IP) | IP20 | |
| | Gender of contact | male contact | |
| | Outlet direction | straight | |
| | Version of connector | plug | |
| | Housing main material | Plastic | |
| | Status indicator available | No | |
| | Shielding available | Yes | |
| | Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded | |
| | Plug right | RJ45, IP20, male contact, straight, plug, Plastic, shielded | |

Plug, left

| | | |
|----------------|------------|---|
| Connector left | Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
| | RJ45 IP 20 | |

Plug, right

| | | |
|-----------------|------------|---|
| Connector right | Plug right | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
| | RJ45 IP 20 | |

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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

| | |
|--------------------|---|
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

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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 | |

Dimensioned drawing

