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**Industrial Ethernet
IE-C6ES8UG0010A40A40-E**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Assembled IE cables, patch cable Cabinet Line, various colours

General ordering data

| | |
|------------|---|
| Order No. | 882950000 |
| Type | IE-C6ES8UG0010A40A40-E |
| Version | System cable, RJ45 IP 20, RJ45 IP 20, Cat.7 (ISO/IEC 11801), PUR, 1 m |
| GTIN (EAN) | 4032248533992 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------|-----|------------|------|
| Length | 1 m | Net weight | 71 g |
|--------|-----|------------|------|

Temperatures

| | | | |
|--------------------------|-----------------|---------------------|-----------------|
| Operating temperature | -40 °C...+80 °C | Storage temperature | -40 °C...+80 °C |
| Installation temperature | -15 °C...+60 °C | | |

Standards

| | | | |
|------------------------|----------------|--|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2 | Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 |
| Connector standard | IEC 60603-7-51 | Standard, assembly | UL-Style 20963 (80°C/30V) |

Cable structure

| | | | |
|---------------------------|---|---------------------------------------|--|
| Copper diameter | 0.48 mm | Wire material | Stranded tin-plated copper wire |
| Standard designations | S/FTP, LIO2YSC11Y 4x2x0.15 PIMF FRNC GN | Strands | 7 |
| Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² | Insulation | PE |
| Insulation cross-section | 1.03 mm | Arrangement of wire cores | Twisted pair |
| Wire pair shielding | | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| Shielding | Aluminium foil | Complete shielding | Shielding braid made from copper wiring |
| Shielding braid thickness | S/FTP | Material sheath | PUR |
| Sheath diameter, min. | 0.1 mm | Sheath diameter, max. | 6.6 mm |
| Sheathing colour | 6.2 mm | | |
| | green (RAL 6018) | | |

Electrical properties of cable

| | | | |
|--------------------------|-----------------------|---|--|
| Category | Cat.7 (ISO/IEC 11801) | Test voltage: wire-wire-shield, at RMS 50Hz, 1 min. | 700 V |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | Loop resistance | 290 Ω/km |
| Deviation | | Transfer impedance | 15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz |
| Capacity at 1 kHz | 3 ns/100m 45 nF/km | Signal propagation time | 4.5 ns/m |

Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------------------|---------------------------------|----------------------------------|
| Min. bending radius, once only | 5 *diameter | Min. bending radius, repetitive | 10 *diameter |
| Pulling force | ≤ 100 N | Abrasion resistance | very good |
| Resistance to spread of flame | in accordance with IEC 60332-1 | Resistance to oils | in accordance with IEC 60811-2-1 |
| Halogen | in accordance with IEC 60754-2 | Corrosiveness of fumes | to IEC 60754-2 |

plug

| | | | |
|------------------------|------------|-------------------------|------------|
| Version connector left | RJ45 IP 20 | Version connector right | RJ45 IP 20 |
|------------------------|------------|-------------------------|------------|

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Technical data**Classifications**

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001262 | ETIM 3.0 | EC001262 |
| UNSPSC | 26-12-16-06 | eClass 4.1 | 27-06-08-05 |
| eClass 5.1 | 27-06-18-02 | eClass 6.2 | 27-06-18-01 |
| eClass 7.1 | 27-06-18-01 | | |

Approvals

Approvals



ROHS

Conform

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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 | |
