

IE-C6ES8UG0550A40A40-E

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

www.weidmueller.com



Assembled IE cables, patch cable Cabinet Line, various colours

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, 55 m |
| Order No. | 8909650550 |
| Type | IE-C6ES8UG0550A40A40-E |
| GTIN (EAN) | 4050118473667 |
| Qty. | 1 Stück |

Erstellungs-Datum June 12, 2023 1:53:58 PM CEST

Katalogstand 09.06.2023 / Technische Änderungen vorbehalten

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Technische Daten

Dimensions and weights

| | | | |
|------------|-------|-----------------|----------------|
| Length | 55 m | Length (inches) | 2,165.354 inch |
| Net weight | 420 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 80 °C |
| Installation temperature | -15 °C...60 °C | | |

Cable specific standards

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

Standards

| | | | |
|------------------------|---------------------------|--|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2 | Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 |
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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 26/7 - 4*2*0.128 mm ² |
| Insulation | PE | Insulation cross-section | 1.03 mm |
| Material sheath | PUR | Sheath diameter, max. | 6.5 mm |
| Sheath diameter, min. | 6.1 mm | Sheathing colour | green (RAL 6018) |
| Shielding | S/FTP | Shielding braid thickness | 0.1 mm |
| Standard designations | S/FTP, LIO2YSC11Y 4x2x0.15 PIMF FRNC GN | Strands | 7 |
| Wire material | Stranded tin-plated copper wire | Wire pair shielding | Aluminium foil |

Electrical properties of cable

| | | | |
|--------------------------------|---------------------|-------------------------|--|
| Capacity at 1 kHz | 45 nF/km | Category | <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010) |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | Deviation | 3 ns/100m |
| Loop resistance | 290 Ω/km | Signal propagation time | 4.5 ns/m |
| Test voltage: wire-wire-shield | 700 V AC | Transfer impedance | 15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz |
| Transmission rate | 10 Gbit/s | | |

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Mechanical and material properties of cable

| | | | |
|---------------------------------|--|--------------------------------|--------------------------------|
| Abrasion resistance | very good | Corrosiveness of fumes | to IEC 60754-2 |
| 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 | Pulling force | ≤ 100 N |
| Resistance to oils | in accordance with IEC 60811-2-1 | Resistance to spread of flame | in accordance with IEC 60332-1 |

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 | |

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 |

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Technische Daten

Approvals

Approvals



ROHS

Conform

Downloads

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