

IE-C6ES8UG0200A40A40-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, 20 m |
| Order No. | 8909650200 |
| Type | IE-C6ES8UG0200A40A40-E |
| GTIN (EAN) | 4032248691067 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|-------|-----------------|---------------|
| Length | 20 m | Length (inches) | 787.4016 inch |
| Net weight | 824 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Cable specific standards

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

General standards

| | |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

Standards

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

Cable structure

| | | | |
|---------------------------|--|---------------------------------------|--|
| Strands | 7 | Sheathing colour | green (RAL 6018) |
| Standard designations | S/FTP, LIO2YSC11Y 4x2x0.15 PIMF FRNC GN | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Shielding | S/FTP | Insulation cross-section | 1.03 mm |
| Insulation | PE | Sheath diameter, max. | 6.5 mm |
| Sheath diameter, min. | 6.1 mm | Material sheath | PUR |
| Copper diameter | 0.48 mm | Wire pair shielding | Aluminium foil |
| Arrangement of wire cores | Twisted pair | Complete shielding | Shielding braid made from copper wiring |
| Wire material | Stranded tin-plated copper wire | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| Shielding braid thickness | 0.1 mm | | |

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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) |
| Capacity at 1 kHz | 45 nF/km | Loop resistance | 290 Ω/km |
| Signal propagation time | 4.5 ns/m | Test voltage: wire-wire-shield | 700 V AC |
| Delay skew | 3 ns/100m | Transfer impedance | 15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | | |

Mechanical and material properties of cable

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

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 | | |

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 | |
