

IE-C5ES8UG0005A40A40-E

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

www.weidmueller.com



General ordering data

| | |
|------------|---|
| Version | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 0.5 m |
| Order No. | 1175000000 |
| Type | IE-C5ES8UG0005A40A40-E |
| GTIN (EAN) | 4032248971084 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Length | 0.5 m | Length (inches) | 19.685 inch |
| Net weight | 29.92 g | | |

Temperatures

| | | | |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...75 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -10 °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 | ISO / IEC 11801:2002, EN 50173-1:2007 |
| Corrosiveness of fumes | to IEC 60754-2 | | |

General standards

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

Cable structure

| | | | |
|---------------------------------------|--|---------------------------|--|
| Strands | 7 | Sheathing colour | green (RAL 6018) |
| Standard designations | SF/UTP, IE-7IC4x2xAWG23/1-PUR 02YSC1 1Y PIMF | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Shielding | SF/UTP | Number of wires | 8 |
| Insulation cross-section | 1 mm | Insulation | PE |
| Sheath diameter, max. | 6.3 mm | Sheath diameter, min. | 5.7 mm |
| Material sheath | PUR | Arrangement of wire cores | Twisted pair |
| Complete shielding | Aluminium foil, 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 |

Electrical properties of cable

| | | | |
|--------------------------------|---|-------------------------|------------|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Capacity at 1 kHz | 47 nF/km |
| Loop resistance | 290 Ω/km | Signal propagation time | 4.85 ns/m |
| Test voltage: wire-wire-shield | 1000 Vrms, 50 Hz, 1 min | Delay skew | 25 ns/100m |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | | |

Technical data

Mechanical and material properties of cable

| | | | |
|---------------------------------|----------------------------------|--------------------------------|--|
| Resistance to oils | in accordance with IEC 60811-2-1 | Silicone-free | Yes |
| UV-resistant | Yes | Halogen | halogen-free, according to IEC 60754-2 |
| Min. bending radius, repetitive | 10 x cable diameter | Min. bending radius, once only | 4 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, Plastic, shielded | Plug left | RJ45, IP20, male contact, straight, Plastic, shielded |
|------------|---|-----------|---|

Plug, left

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

Plug, right

| | |
|------------|---|
| Plug right | RJ45, IP20, male contact, straight, 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 | | |