

IE-C6ES8VG0500A40A40-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.6A / Class EA (ISO/IEC 11801 2010), PVC, 50 m |
| Order No. | 8903620500 |
| Type | IE-C6ES8VG0500A40A40-E |
| GTIN (EAN) | 4032248664986 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|-----------|-----------------|----------------|
| Length | 50 m | Length (inches) | 1968.5039 inch |
| Net weight | 2166.56 g | | |

Temperatures

| | | | |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...75 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | 0 °C...50 °C | | |

Environmental Product Compliance

| | |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |
| SCIP | 67cf1078-beca-4687-860b-dc475a6ec24a |

Cable specific standards

| | | | |
|--|---|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, wire material | DIN EN 13602 Cu-ETP-A |
| Standard, assembly | UL-Style 2879 (80°C/30V) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 | | |

General standards

| | |
|--------------------|-----------------|
| Connector standard | IEC 60603-7-5 1 |
|--------------------|-----------------|

Cable structure

| | | | |
|---------------------------------------|--|--------------------------------|--|
| Strands | 7 | Sheathing colour | green (RAL 6018) |
| Standard designations | S/FTP, LI02YSCY 4X2X0.15 PIMF GN | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Shielding | S/FTP | Number of wires | 8 |
| Insulation cross-section | 0.98 mm | Insulation | PE |
| Sheath diameter, max. | 6.5 mm | Sheath diameter, min. | 6.1 mm |
| Material sheath | PVC | Wire pair shielding | Plastic foil, Aluminium foil |
| Arrangement of wire cores | Twisted pair | Wire core insulation thickness | 0.25 mm |
| Complete shielding | Shielding braid made from copper wiring | Overlap of shielding braid | 70 % |
| Wire material | Stranded tin-plated copper wire | Sheathing material thickness | 0.5 mm |
| 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

| | | | |
|--------------------------------|--|--------------------------|---------------------|
| Category | Cat.6A / Class EA (ISO/IEC 11801 2010) | Capacity at 1 kHz | 45 nF/km |
| Loop resistance | 290 Ω/km | Signal propagation time | 5.13 ns/m |
| Test voltage: wire-wire-shield | 700 V AC | Resistance differential | 3 % |
| Shield attenuation | 80 dB at 600 Mhz | 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

| | | | |
|--------------------------------|--------------------------------|---------------------------------|---------------------|
| Halogen | Yes | Min. bending radius, repetitive | 10 x cable diameter |
| Min. bending radius, once only | 5 x cable diameter | Abrasion resistance | good |
| Resistance to spread of flame | in accordance with IEC 60332-1 | | |

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 | | |