

IE-C5CS8UG-500

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

www.weidmueller.com



Bulk stock, copper cable, flexible, 4 x 2 x AWG 26/7, Cat. 5, green

General ordering data

| | |
|------------|---|
| Version | Installation cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 500 m |
| Order No. | 2762870000 |
| Type | IE-C5CS8UG-500 |
| GTIN (EAN) | 4064675030911 |
| Qty. | 1 items |
| Packaging | on plywood reel |

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Technical data

Approvals

ROHS Conform

Dimensions and weights

| | | | |
|------------|---------|-----------------|-----------------|
| Length | 500 m | Length (inches) | 19685.0394 inch |
| Net weight | 21500 g | | |

Temperatures

| | | | |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...75 °C | Operating temperature | -40 °C...75 °C |
| Installation temperature | -20 °C...60 °C | | |

Environmental Product Compliance

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

Technical specifications for cable

| | | | |
|-------------------------------|--|--------------------------------|----------------------------------|
| Sheathing colour | green (RAL 6018) | Resistance to oils | in accordance with IEC 60811-2-1 |
| Number of wires | 8 | Shielded | Yes |
| Halogen | halogen-free, according to IEC 60754-2 | Insulation | PE |
| Resistance to spread of flame | in accordance with IEC 60332-1, EN 13501-6 class FCa | Test voltage: wire-wire-shield | 700 V AC |
| Number of poles | 8 | | |

Cable specific standards

| | | | |
|--|---------------------------------------|---------------------|----|
| Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 | Impervious to smoke | No |
|--|---------------------------------------|---------------------|----|

Standards

| | | | |
|--|---------------------------------------|---------------------|----|
| Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 | Impervious to smoke | No |
|--|---------------------------------------|---------------------|----|

Cable structure

| | | | |
|------------------------------|---|---------------------------------------|--|
| Strands | 1 | Sheathing colour | green (RAL 6018) |
| Standard designations | IE-5IC4x2xAWG24/1-PUR 02YS(ST)C11Y, SF/UTP | Cross-section | 4*2*AWG 24/1 - 4*2*0.205 mm ² |
| Shielding | SF/UTP | Number of wires | 8 |
| Insulation cross-section | 1.04 mm | Insulation | PE |
| Sheath diameter, max. | 6.7 mm | Sheath diameter, min. | 6.3 mm |
| Material sheath | PUR | Arrangement of wire cores | Twisted pair |
| Complete shielding | Aluminium foil, Shielding braid made from copper wiring | Wire material | Non-insulated copper wire |
| Sheathing material thickness | 0.5 mm | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |

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Electrical properties of cable

| | | | |
|--------------------------------|--|-------------------------|--|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Capacity at 1 kHz | 50 nF/km |
| Loop resistance | 190 Ω/km | Signal propagation time | 4.5 ns/m |
| Test voltage: wire-wire-shield | 700 V AC | Shield attenuation | 65 dB at 100 Mhz |
| Delay skew | 15 ns/100m | Transfer impedance | 20 mΩ/m at 1MHz, 10 mΩ/m at 10 MHz, 10 mΩ/m at 30Mhz |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | | |

Mechanical and material properties of cable

| | | | |
|---------------------------------|-------------------------------------|--------------------------------|--|
| Resistance to oils | in accordance with IEC 60811-2-1 | UV-resistant | No |
| Colour | green | 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, EN 13501-6 class FCa |
| Impervious to smoke | No | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC003249 | ETIM 9.0 | EC003249 |
| ETIM 10.0 | EC003249 | ECLASS 14.0 | 27-06-18-01 |
| ECLASS 15.0 | 27-06-18-01 | | |

Drawings

Detailed drawing

