

## IE-C5CS8UG-100

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

www.weidmueller.com



Bulk stock, copper cable, rigid, 4 x 2 x AWG 24/1, Cat. 5, green

### General ordering data

|            |   |
|------------|---|
| Version    | Installation cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m |
| Order No.  | <a href="#">8813160000</a>  |
| Type       | IE-C5CS8UG-100  |
| GTIN (EAN) | 4032248513017   |
| Qty.       | 1 items   |
| Packaging  | as cable ring in carton   |

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## Technical data

## Approvals

ROHS Conform

## Dimensions and weights

|            |        |                 |                |
|------------|--------|-----------------|----------------|
| Length     | 100 m  | Length (inches) | 3937.0079 inch |
| Net weight | 4544 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 <sup>2</sup>                   |
| 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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**Technical data**

**Electrical properties of cable**

|                                |  |                         |  |
|--------------------------------|--|-------------------------|--|
| Category                       | Cat.5 (ISO/IEC 11801) /<br>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<br>mΩ/m at 10 MHz, 10<br>mΩ/m at 30Mhz |
| Characteristic impedance       | 100 ± 5 Ω at 100MHz                            |                         |  |

**Mechanical and material properties of cable**

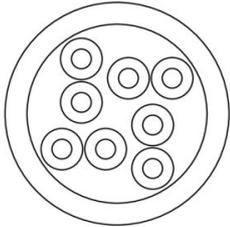
|                                 |                                     |                                |  |
|---------------------------------|-------------------------------------|--------------------------------|--|
| Resistance to oils              | in accordance with IEC<br>60811-2-1 | UV-resistant                   | No   |
| Colour                          | green                               | Halogen                        | halogen-free, according to<br>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<br>60332-1, EN 13501-6<br>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**



## Accessories

### Tools



Sheathing stripper for PVC cables

### General ordering data

|            |                            |                            |  |
|------------|----------------------------|----------------------------|--|
| Type       | AM 12                      | Version                    |  |
| Order No.  | <a href="#">9030060000</a> | Tools, Sheathing strippers |  |
| GTIN (EAN) | 4008190337827              |                            |  |
| Qty.       | 1 ST                       |                            |  |
| Type       | IE-CST                     | Version                    |  |
| Order No.  | <a href="#">9204350000</a> | Tools, Sheathing strippers |  |
| GTIN (EAN) | 4032248653072              |                            |  |
| Qty.       | 1 ST                       |                            |  |