

**IE-C5ES8UG-500****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

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

**General ordering data**

|            |   |
|------------|---|
| Version    | System cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 500 m |
| Order No.  | <a href="#">2763500000</a>  |
| Type       | IE-C5ES8UG-500  |
| GTIN (EAN) | 4064675016458   |
| Qty.       | 1 pc(s).  |
| Packaging  | on plywood reel   |

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## Technical data

## Dimensions and weights

|            |          |                 |                 |
|------------|----------|-----------------|-----------------|
| Length     | 500 m    | Length (inches) | 19,685.039 inch |
| Net weight | 10,750 g |                 |                 |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...75 °C | Operating temperature | -40 °C...75 °C |
| Installation temperature | -10 °C...60 °C |                       |                |

## Technical specifications for cable

|                    |  |                                |                                      |
|--------------------|--|--------------------------------|--------------------------------------|
| Halogen            | halogen-free, according to IEC 60754-2 | Insulation                     | PE                                   |
| Number of poles    | 8                                      | Number of wires                | 8                                    |
| Resistance to oils | in accordance with IEC 60811-2-1       | Resistance to spread of flame  | in accordance with IEC 60332-1       |
| Sheathing colour   | green (RAL 6018)                       | Test voltage: wire-wire-shield | 1000 V <sub>rms</sub> , 50 Hz, 1 min |

## Cable specific standards

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

## Standards

|                        |                           |  |                                       |
|------------------------|---------------------------|--|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2            | Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 |
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## Cable structure

|                            |  |                                       |  |
|----------------------------|--|---------------------------------------|--|
| Arrangement of wire cores  | Twisted pair   | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| Complete shielding         | Aluminium foil, Shielding braid made from copper wiring              | Cross-section                         | 4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>                   |
| Insulation                 | PE   | Insulation cross-section              | 1 mm   |
| Material sheath            | PUR  | Number of wires                       | 8  |
| Overlap of shielding braid | 65 %   | Sheath diameter, max.                 | 6.3 mm   |
| Sheath diameter, min.      | 5.7 mm   | Sheathing colour                      | green (RAL 6018)   |
| Shielding                  | SF/UTP   | Shielding braid thickness             | 0.1 mm   |
| Standard designations      | SF/UTP, IE-5CC4x2xAWG26/7-PUR LI02YS(ST)C11Y (UL) AWM 20963 80°C 30V | Strands                               | 7  |
| Wire material              | Stranded tin-plated copper wire                                      |                                       |  |

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Electrical properties of cable**

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

**Mechanical and material properties of cable**

|                                 |   |                                |                                     |
|---------------------------------|---|--------------------------------|-------------------------------------|
| Abrasion resistance             | very good                                 | Corrosiveness of fumes         | to IEC 60754-2                      |
| Halogen                         | halogen-free, according to<br>IEC 60754-2 | Min. bending radius, once only | 4 x cable diameter                  |
| Min. bending radius, repetitive | 10 x cable diameter                       | Resistance to oils             | in accordance with IEC<br>60811-2-1 |
| Resistance to spread of flame   | in accordance with IEC<br>60332-1         | Silicone-free                  | Yes                                 |
| UV-resistant                    | Yes                                       |                                |                                     |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000830    | ETIM 7.0    | EC003249    |
| ETIM 8.0    | EC003249    | ETIM 9.0    | EC003249    |
| ECLASS 9.0  | 27-06-18-05 | ECLASS 9.1  | 27-06-90-90 |
| ECLASS 10.0 | 27-06-18-01 | ECLASS 11.0 | 27-06-18-01 |
| ECLASS 12.0 | 27-06-18-01 | ECLASS 13.0 | 27-06-18-01 |

**Approvals**

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

|            |  |
|------------|--|
| Catalogues | <a href="#">Catalogues in PDF-format</a> |
|------------|--|

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# Drawings

## Detailed drawing

