

**Industrial Ethernet**  
**IE-C5ES8UG0100A46A46-X**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



Assembled IE cables, SnapIn connectors according to IEC  
61076-3-106 ver.6, Cat. 5, PUR, green

**General ordering data**

|            |   |
|------------|---|
| Order No.  | <a href="#">8829670000</a>  |
| Type       | IE-C5ES8UG0100A46A46-X  |
| Version    | System cable, RJ45 IP 67 snap-in V06 plastic,<br>RJ45 IP 67 V 06, Cat.5 (ISO/IEC 11801) / Cat.5e<br>(TIA T568-B), PUR, 10 m |
| GTIN (EAN) | 4032248534166   |
| Qty.       | 1 pc(s).  |

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**Technical data****Dimensions and weights**

|        |      |            |       |
|--------|------|------------|-------|
| Length | 10 m | Net weight | 422 g |
|--------|------|------------|-------|

**Temperatures**

|                          |                 |                     |                 |
|--------------------------|-----------------|---------------------|-----------------|
| Operating temperature    | -40 °C...+80 °C | Storage temperature | -40 °C...+80 °C |
| Installation temperature | -10 °C...+60 °C |                     |                 |

**Standards**

|                        |                 |  |                                       |
|------------------------|-----------------|--|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2  | Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 |
| Connector standard     | IEC 60603-7-5 1 | Standard, assembly                     | UL-Style 20963 (80°C/30V)             |

**Cable structure**

|                                       |  |                           |  |
|---------------------------------------|--|---------------------------|--|
| Wire material                         | Stranded tin-plated copper wire                            | Standard designations     | LI02YS(ST)C11Y<br>4x2x0.15-100 GN NC, SF/UTP |
| Strands                               | 7  | Cross-section             | 4*2*AWG 26/7 -<br>4*2*0.128 mm <sup>2</sup>  |
| Insulation                            | PE   | Insulation cross-section  | 1 mm   |
| No. of wires                          | 8  | Arrangement of wire cores | Twisted pair                                 |
| Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown | Shielding                 | SF/UTP                                       |
| Complete shielding                    | Aluminium foil, Shielding braid made from copper wiring    | Shielding braid thickness | 0.1 mm                                       |
| Material sheath                       | PUR  | Sheath diameter, min.     | 5.7 mm                                       |
| Sheath diameter, max.                 | 6.1 mm   | Sheathing colour          | green (RAL 6018)                             |

**Electrical properties of cable**

|                          |   |   |          |
|--------------------------|---|---|----------|
| Category                 | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Test voltage: wire-wire-shield, at RMS 50Hz, 1 min. | 700 V    |
| Characteristic impedance | 100 ± 5 Ω at 100MHz                         | Loop resistance                                     | 290 Ω/km |
| Deviation                | 25 ns/100m                                  | Capacity at 1 kHz                                   | 50 nF/km |
| Signal propagation time  | 4.85 ns/m                                   |   |          |

**Mechanical and material properties of cable**

|                                |                                  |                                 |                                |
|--------------------------------|----------------------------------|---------------------------------|--------------------------------|
| Min. bending radius, once only | 5 *diameter                      | Min. bending radius, repetitive | 10 *diameter                   |
| Abrasion resistance            | very good                        | Resistance to spread of flame   | in accordance with IEC 60332-1 |
| Resistance to oils             | in accordance with IEC 60811-2-1 | UV-resistant                    | Yes                            |
| Silicone-free                  | Yes                              | Halogen                         | in accordance with IEC 60754-2 |
| Corrosiveness of fumes         | to IEC 60754-2                   |                                 |                                |

**plug**

|                        |                                |                         |                 |
|------------------------|--------------------------------|-------------------------|-----------------|
| Version connector left | RJ45 IP 67 snap-in V06 plastic | Version connector right | RJ45 IP 67 V 06 |
|------------------------|--------------------------------|-------------------------|-----------------|

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**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001262    | ETIM 3.0   | EC001262    |
| UNSPSC     | 26-12-16-06 | eClass 4.1 | 27-06-08-05 |
| eClass 5.1 | 27-06-18-02 | eClass 6.2 | 27-06-18-01 |
| eClass 7.1 | 27-06-18-01 |            |             |

**Approvals**

Approvals



ROHS Conform

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**Drawings****Wiring**

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|      |   |               |   |      |
|------|---|---------------|---|------|
| RJ45 | 1 | white, orange | 1 | RJ45 |
|      | 2 | orange        | 2 |      |
|      | 3 | white, green  | 3 |      |
|      | 4 | blue          | 4 |      |
|      | 5 | white, blue   | 5 |      |
|      | 6 | green         | 6 |      |
|      | 7 | white, brown  | 7 |      |
|      | 8 | brown         | 8 |      |

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