

**IE-C5ES8UG0100A40A40-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Assembled IE cables, patch cable Cabinet Line, various colours

**General ordering data**

|            |                                                                                              |
|------------|----------------------------------------------------------------------------------------------|
| Version    | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 10 m |
| Order No.  | <a href="#">8829650000</a>                                                                   |
| Type       | IE-C5ES8UG0100A40A40-E                                                                       |
| GTIN (EAN) | 4032248534142                                                                                |
| Qty.       | 1 pc(s).                                                                                     |

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## Technical data

## Dimensions and weights

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 10 m  | Length (inches) | 393.701 inch |
| Net weight | 420 g |                 |              |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...75 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -10 °C...60 °C |                       |                |

## 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) |                                        |                                       |

## General standards

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

## Standards

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

## 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                                                          |
| 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                 | LI02YS(ST)C11Y 4x2x0.15-100 GN NC, SF/UTP                  |
| Strands                   | 7                                                       | Wire material                         | Stranded tin-plated copper wire                            |

## Electrical properties of cable

|                                |                                      |                         |                                             |
|--------------------------------|--------------------------------------|-------------------------|---------------------------------------------|
| Capacity at 1 kHz              | 47 nF/km                             | Category                | Cat.5 (ISO/IEC 11801) / 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 |                         |                                             |

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## Mechanical and material properties of cable

|                                 |                                        |                                |                                  |
|---------------------------------|----------------------------------------|--------------------------------|----------------------------------|
| Abrasion resistance             | very good                              | Corrosiveness of fumes         | to IEC 60754-2                   |
| Halogen                         | halogen-free, according to 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 60811-2-1 |
| Resistance to spread of flame   | in accordance with IEC 60332-1         | Silicone-free                  | Yes                              |
| UV-resistant                    | Yes                                    |                                |                                  |

## Plug

|           |                                                             |            |                                                             |
|-----------|-------------------------------------------------------------|------------|-------------------------------------------------------------|
| Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded | Plug right | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|-----------|-------------------------------------------------------------|------------|-------------------------------------------------------------|

## Plug, left

|           |                                                             |
|-----------|-------------------------------------------------------------|
| Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|-----------|-------------------------------------------------------------|

## Plug, right

|            |                                                             |
|------------|-------------------------------------------------------------|
| Plug right | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|------------|-------------------------------------------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 9.0  | 27-06-03-08 |
| ECLASS 9.1  | 27-06-03-08 | ECLASS 10.0 | 27-06-03-08 |
| ECLASS 11.0 | 27-06-03-08 | ECLASS 12.0 | 27-06-03-08 |
| ECLASS 13.0 | 27-06-03-08 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

## Environmental Product Compliance

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

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                 |

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## Technical data

### Downloads

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| Engineering Data   | <a href="#">CAD data – STEP</a>                                             |
| User Documentation | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a>          |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>                                    |
| Brochures          | <a href="#">FL FIELDWIRING EN</a><br><a href="#">PI PROFINET CABLING EN</a> |

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Drawings

Wiring

|      |   |               |   |      |
|------|---|---------------|---|------|
| 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 |      |