

**IE-C6ES8UG0065A40A40-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, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), PUR, 6.5 m |
| Order No.  | <a href="#">8909650065</a>  |
| Type       | IE-C6ES8UG0065A40A40-E  |
| GTIN (EAN) | 4050118473605   |
| Qty.       | 1 pc(s).  |

## IE-C6ES8UG0065A40A40-E

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 6.5 m | Length (inches) | 255.906 inch |
| Net weight | 125 g |                 |              |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -15 °C...60 °C |                       |                |

## Cable specific standards

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

## Standards

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

## Cable structure

|                           |   |                                       |  |
|---------------------------|---|---------------------------------------|--|
| Arrangement of wire cores |   | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
|                           | Twisted pair                            |                                       |  |
| Complete shielding        | 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              | 1.03 mm  |
| Material sheath           | PUR                                     | Sheath diameter, max.                 | 6.5 mm   |
| Sheath diameter, min.     | 6.1 mm                                  | Sheathing colour                      | green (RAL 6018)   |
| Shielding                 | S/FTP                                   | Shielding braid thickness             | 0.1 mm   |
| Standard designations     | S/FTP, LIO2YSC11Y 4x2x0.15 PIMF FRNC GN | Strands                               | 7  |
| Wire material             | Stranded tin-plated copper wire         | Wire pair shielding                   | Aluminium foil   |

## Electrical properties of cable

|                                |                     |                         |  |
|--------------------------------|---------------------|-------------------------|--|
| Capacity at 1 kHz              |                     | Category                | <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)    |
|                                | 45 nF/km            |                         |  |
| Characteristic impedance       | 100 ± 5 Ω at 100MHz | Delay skew              | 3 ns/100m  |
| Loop resistance                | 290 Ω/km            | Signal propagation time | 4.5 ns/m   |
| Test voltage: wire-wire-shield |                     | Transfer impedance      | 15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz |
|                                | 700 V AC            |                         |  |
| Transmission rate              | 10 Gbit/s           |                         |  |

## IE-C6ES8UG0065A40A40-E

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## 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 | 5 x cable diameter             |
| Min. bending radius, repetitive | 10 x cable diameter                    | Pulling force                  | ≤ 100 N                        |
| Resistance to oils              | in accordance with IEC 60811-2-1       | Resistance to spread of flame  | in accordance with IEC 60332-1 |

## 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    |
| 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 |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| REACH SVHC             | /                           |
| RoHS Compliance Status | Compliant without exemption |

## Approvals

Approvals



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

## 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> |

Creation date July 22, 2024 9:02:46 PM CEST

Catalogue status 13.07.2024 / We reserve the right to make technical changes.

IE-C6ES8UG0065A40A40-E

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany  
  
[www.weidmueller.com](http://www.weidmueller.com)

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 |      |

**IE-C6ES8UG0065A40A40-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Blank**

TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | TM-I 18 MC NE WS           | Version                                |
| Order No.  | <a href="#">1718431044</a> | TM-I, Insert markers, 18 x 4 mm, white |
| GTIN (EAN) | 4008190349011              |  |
| Qty.       | 320 pc(s).                 |  |

**IE-C6ES8UG0065A40A40-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Blank**

TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |  |
|------------|----------------------------|--|
| Type       | TM-I 12 MC NE WS           | Version                                |
| Order No.  | <a href="#">1718411044</a> | TM-I, Insert markers, 12 x 4 mm, white |
| GTIN (EAN) | 4008190348977              |  |
| Qty.       | 320 pc(s).                 |  |