

## IE-C6ES8UG0350A40A40-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, 35 m |
| Order No.  | <a href="#">8909650350</a>   |
| Type       | IE-C6ES8UG0350A40A40-E   |
| GTIN (EAN) | 4032248697083  |
| Qty.       | 1 items  |

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## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

|            |        |                 |                |
|------------|--------|-----------------|----------------|
| Length     | 35 m   | Length (inches) | 1377.9528 inch |
| Net weight | 1677 g |                 |                |

### Temperatures

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

### Environmental Product Compliance

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

### Cable specific standards

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

### General standards

|                    |                |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

### Standards

|  |                                       |                        |                           |
|--|---------------------------------------|------------------------|---------------------------|
| Connector standard                     | IEC 60603-7-51                        | Standard, assembly     | UL-Style 20963 (80°C/30V) |
| Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 | Corrosiveness of fumes | to IEC 60754-2            |

### Cable structure

|                           |  |                                       |  |
|---------------------------|--|---------------------------------------|--|
| Strands                   | 7  | Sheathing colour                      | green (RAL 6018)   |
| Standard designations     | S/FTP, LIO2YSC11Y<br>4x2x0.15 PIMF FRNC GN | Cross-section                         | 4*2*AWG 26/7 -<br>4*2*0.128 mm <sup>2</sup>                      |
| Shielding                 | S/FTP                                      | Insulation cross-section              | 1.03 mm  |
| Insulation                | PE   | Sheath diameter, max.                 | 6.5 mm   |
| Sheath diameter, min.     | 6.1 mm                                     | Material sheath                       | PUR  |
| Copper diameter           | 0.48 mm                                    | Wire pair shielding                   | Aluminium foil   |
| Arrangement of wire cores | Twisted pair                               | Complete shielding                    | Shielding braid made from<br>copper wiring                       |
| Wire material             | Stranded tin-plated copper<br>wire         | Colour sequence or wires - wire pairs | white - blue, white -<br>orange, white - green,<br>white - brown |
| Shielding braid thickness | 0.1 mm                                     |                                       |  |

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**Technical data**

**Electrical properties of cable**

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

**Mechanical and material properties of cable**

|                                |   |                                 |                     |
|--------------------------------|---|---------------------------------|---------------------|
| Resistance to oils             | in accordance with IEC<br>60811-2-1       | Pulling force                   | ≤ 100 N             |
| 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         | Corrosiveness of fumes          | to IEC 60754-2      |

**Plug**

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

**Plug, left**

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

**Plug, right**

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

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

**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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