

## IE-C5ES8VG0700A40A40-E

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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



### General ordering data

|            |                                                                                              |
|------------|----------------------------------------------------------------------------------------------|
| Version    | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 70 m |
| Order No.  | <a href="#">1307620000</a>                                                                   |
| Type       | IE-C5ES8VG0700A40A40-E                                                                       |
| GTIN (EAN) | 4050118109597                                                                                |
| Qty.       | 1 items                                                                                      |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |        |                 |                |
|------------|--------|-----------------|----------------|
| Length     | 70 m   | Length (inches) | 2755.9055 inch |
| Net weight | 2609 g |                 |                |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...75 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | 0 °C...50 °C   |                       |                |

## Environmental Product Compliance

|                        |                                      |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant                            |
| REACH SVHC             | Lead 7439-92-1                       |
| SCIP                   | 67cf1078-beca-4687-860b-dc475a6ec24a |

## Cable structure

|                                       |                                                            |                                |                                 |
|---------------------------------------|------------------------------------------------------------|--------------------------------|---------------------------------|
| Strands                               | 7                                                          | Sheathing colour               | green (RAL 6018)                |
| Cross-section                         | 4*2*AWG 26/7 -<br>4*2*0.128 mm <sup>2</sup>                | Shielding                      | SF/UTP                          |
| Number of wires                       | 8                                                          | Insulation cross-section       | 1 mm                            |
| Insulation                            | PE                                                         | Sheath diameter, max.          | 6.1 mm                          |
| Sheath diameter, min.                 | 5.7 mm                                                     | Material sheath                | PVC                             |
| Arrangement of wire cores             | Twisted pair                                               | Wire core insulation thickness | 0.25 mm                         |
| Complete shielding                    | Aluminium foil, Shielding braid made from copper wiring    | Diameter of wire pair          | 2.00 mm                         |
| Overlap of shielding braid            | 65 %                                                       | Wire material                  | Stranded tin-plated copper wire |
| Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown | Shielding braid thickness      | 0.1 mm                          |

## Electrical properties of cable

|                                |                                                |                         |                   |
|--------------------------------|------------------------------------------------|-------------------------|-------------------|
| Category                       | Cat.5 (ISO/IEC 11801) /<br>Cat.5e (TIA T568-B) | Capacity at 1 kHz       | 47 nF/km          |
| Loop resistance                | 290 Ω/km                                       | Signal propagation time | 4.85 ns/m         |
| Test voltage: wire-wire-shield | 700 V AC                                       | Resistance differential | 3 %               |
| Delay skew                     | 25 ns/100m                                     | Transfer impedance      | 10 mΩ/m at 10 MHz |
| Characteristic impedance       | 100 ± 5 Ω at 100MHz                            |                         |                   |

## Mechanical and material properties of cable

|                                |                                |                                 |                     |
|--------------------------------|--------------------------------|---------------------------------|---------------------|
| Halogen                        | Yes                            | Min. bending radius, repetitive | 10 x cable diameter |
| Min. bending radius, once only | 5 x cable diameter             | Abrasion resistance             | good                |
| Resistance to spread of flame  | in accordance with IEC 60332-1 | Fire propagation                | No                  |

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**Technical data**

**Plug**

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

**Plug, left**

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

**Plug, right**

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