

## IE-C5ES8UG0120A44A40-X

**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 67 PushPull V04 plastic, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 12 m |
| Order No.  | <a href="#">2681100000</a>  |
| Type       | IE-C5ES8UG0120A44A40-X  |
| GTIN (EAN) | 4050118690958   |
| Qty.       | 1 items   |

## IE-C5ES8UG0120A44A40-X

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

www.weidmueller.com

## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

|            |       |                 |               |
|------------|-------|-----------------|---------------|
| Length     | 12 m  | Length (inches) | 472.4409 inch |
| Net weight | 507 g |                 |               |

### Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...75 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -10 °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 | ISO / IEC 11801:2002, EN 50173-1:2007 |
| Corrosiveness of fumes | to IEC 60754-2            |  |                                       |

### Cable structure

|                                       |  |                           |  |
|---------------------------------------|--|---------------------------|--|
| Strands                               | 7  | Sheathing colour          | green (RAL 6018)                         |
| Standard designations                 | SF/UTP, IE-71C4x2xAWG23/1-PUR 02YSC11Y PIMF                | Cross-section             | 4*2*AWG 26/7 - 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.                 | 6.3 mm   | Sheath diameter, min.     | 5.7 mm                                   |
| Material sheath                       | PUR  | Arrangement of wire cores | Twisted pair                             |
| Complete shielding                    | Aluminium foil, Shielding braid made from copper wiring    | 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) / 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 | 1000 Vrms, 50 Hz, 1 min                     | Delay skew              | 25 ns/100m |
| Characteristic impedance       | 100 ± 5 Ω at 100MHz                         |                         |            |

**IE-C5ES8UG0120A44A40-X**

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

www.weidmueller.com

**Technical data**

**Mechanical and material properties of cable**

|                                 |                                  |                                |  |
|---------------------------------|----------------------------------|--------------------------------|--|
| Resistance to oils              | in accordance with IEC 60811-2-1 | Silicone-free                  | Yes                                    |
| UV-resistant                    | Yes                              | Halogen                        | halogen-free, according to IEC 60754-2 |
| Min. bending radius, repetitive | 10 x cable diameter              | Min. bending radius, once only | 4 x cable diameter                     |
| Abrasion resistance             | very good                        | Resistance to spread of flame  | in accordance with IEC 60332-1         |
| Corrosiveness of fumes          | to IEC 60754-2                   |                                |  |

**Plug**

|            |   |           |   |
|------------|---|-----------|---|
| Plug right | RJ45, IP20, male contact, straight, Plastic, shielded | Plug left | RJ45, IP67, male contact, straight, PushPull V04, Plastic, shielded |
|------------|---|-----------|---|

**Plug, left**

|           |   |
|-----------|---|
| Plug left | RJ45, IP67, male contact, straight, PushPull V04, 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 |             |             |