

**IE-C5ES8UG0150A45A2E-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 RockStar V05 metal, RJ45 IP 67 PushPull V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 15 m |
| Order No.  | <a href="#">1525520150</a>                                                                                                         |
| Type       | IE-C5ES8UG0150A45A2E-X                                                                                                             |
| GTIN (EAN) | 4050118332070                                                                                                                      |
| Qty.       | 1 pc(s).                                                                                                                           |

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## Technical data

## Dimensions and weights

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 15 m  | Length (inches) | 590.551 inch |
| Net weight | 701 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) |                                        |                                       |

## 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                 | SF/UTP, IE-7IC4x2xAWG23/1-PUR 02YSC 11Y PIMF               |
| 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 |                         |                                             |

## 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                                    |                                |                                  |

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|           |                                                                               |            |                                                                          |
|-----------|-------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------|
| Plug left | RJ45, IP67, male contact, straight, RockStar V05, Diecast aluminium, shielded | Plug right | RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, shielded |
|-----------|-------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------|

**Plug, left**

|           |                                                                               |
|-----------|-------------------------------------------------------------------------------|
| Plug left | RJ45, IP67, male contact, straight, RockStar V05, Diecast aluminium, shielded |
|-----------|-------------------------------------------------------------------------------|

**Plug, right**

|            |                                                                          |
|------------|--------------------------------------------------------------------------|
| Plug right | RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, 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 |             |             |

**Approvals**

Approvals



Approvals MAMID [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319222/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/) [https://mdcop.weidmueller.com/mediadelivery/rendition/900\\_319260/-T1z1mm-S800/](https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/)

ROHS Conform

**Environmental Product Compliance**

|                        |                |
|------------------------|----------------|
| RoHS Compliance Status | Compliant      |
| REACH SVHC             | Lead 7439-92-1 |

**Downloads**

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| 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> |