

## IE-C6ES8UG0090A45A40-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 20, Cat.6A / Class EA (ISO/IEC 11801 2010), PUR, 9 m |
| Order No.       | <a href="#">8950550090</a>  |
| Type            | IE-C6ES8UG0090A45A40-X  |
| GTIN (EAN)      | 4032248741205   |
| Qty.            | 1 pc(s).  |
| Available until | 2012-12-31  |

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Catalogue status 03.03.2023 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 9 m   | Length (inches) | 354.331 inch |
| Net weight | 518 g |                 |              |

## Temperatures

|                             |                |                             |                |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature         | -40 °C...80 °C | Operating temperature       | -40 °C...80 °C |
| Operating temperature, min. | -40 °C         | Operating temperature, max. | 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) |  |                                       |

## Cable structure

|                           |  |                                       |  |
|---------------------------|--|---------------------------------------|--|
| Arrangement of wire cores | Twisted pair                               | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| 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<br>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              | 45 nF/km            | Category                | Cat.6A / Class EA (ISO/ IEC 11801 2010)                |
| Characteristic impedance       | 100 ± 5 Ω at 100MHz | Deviation               | 3 ns/100m  |
| Loop resistance                | 290 Ω/km            | Signal propagation time | 4.5 ns/m   |
| Test voltage: wire-wire-shield | 700 V AC            | Transfer impedance      | 15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz |

## 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, IP67, male contact, straight, RockStar V05, Diecast aluminium, shielded | Plug right | RJ45, IP20, male contact, straight, Plastic, shielded |
|-----------|---|------------|---|

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### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | 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 |

### Approvals

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

### 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> |