

IE-C5ES8VG0150A40A40-E

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

www.weidmueller.com



General ordering data

| | |
|------------|--|
| Version | System cable, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 15 m |
| Order No. | 1142800000 |
| Type | IE-C5ES8VG0150A40A40-E |
| GTIN (EAN) | 4032248925995 |
| Qty. | 1 pc(s). |

Creation date March 13, 2023 12:05:48 PM CET

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

IE-C5ES8VG0150A40A40-E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|--------------|
| Length | 15 m | Length (inches) | 590.551 inch |
| Net weight | 577.25 g | | |

Temperatures

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

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 ² |
| Diameter of wire pair | 2 mm | Insulation | PE |
| Insulation cross-section | 1 mm | Material sheath | PVC |
| Number of wires | 8 | Overlap of shielding braid | 65 % |
| Sheath diameter, max. | 6.1 mm | Sheath diameter, min. | 5.7 mm |
| Sheathing colour | green (RAL 6018) | Shielding | SF/UTP |
| Shielding braid thickness | 0.1 mm | Strands | 7 |
| Wire core insulation thickness | 0.25 mm | 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 | Deviation | 25 ns/100m |
| Loop resistance | 290 Ω/km | Resistance differential | 3 % |
| Signal propagation time | 4.85 ns/m | Test voltage: wire-wire-shield | 700 V AC |
| Transfer impedance | 10 mΩ/m at 10 MHz | | |

Mechanical and material properties of cable

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

Plug

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

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 |

Creation date March 13, 2023 12:05:48 PM CET

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

2

IE-C5ES8VG0150A40A40-E**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data**Approvals**

ROHS Conform

Downloads

| | |
|--------------------|---|
| Engineering Data | CAD data – STEP |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN |