

IE-C5ES8UG0100B41B41-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Assembled IE cables for EtherNet/IP applications with bayonet connector according to IEC 61076-3-106 var. 1, cat. 5, sheathed

General ordering data

| | |
|------------|--|
| Version | System cable, RJ45 IP 67 Baymo V01 metal, RJ45 IP 67 Baymo V01 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 10 m |
| Order No. | 1066880000 |
| Type | IE-C5ES8UG0100B41B41-E |
| GTIN (EAN) | 4032248820313 |
| Qty. | 1 pc(s). |

IE-C5ES8UG0100B41B41-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|------------|-------|-----------------|--------------|
| Length | 10 m | Length (inches) | 393.701 inch |
| Net weight | 466 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) | | |

General standards

| | | | |
|-------------------------|---------|--------------------|--|
| Certificate no. (cULus) | E316369 | Connector standard | IEC 61076-3-106 Var. 1, IEC 60603-7-51 |
|-------------------------|---------|--------------------|--|

Standards

| | | | |
|--|--|------------------------|---------------------------|
| Connector standard | IEC 61076-3-106 Var. 1, IEC 60603-7-51 | 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 ² |
| 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 | LI02YS(ST)C11Y 4x2x0.15-100 GN NC, SF/UTP |
| 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 _{rms} , 50 Hz, 1 min | | |

IE-C5ES8UG0100B41B41-E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

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 | | |

Plug, left

| | |
|-----------|---|
| Plug left | RJ45, IP67, male contact, straight, V01 Baymo, plug, Zinc diecast, shielded |
|-----------|---|

Plug, right

| | |
|------------|---|
| Plug right | RJ45, IP67, male contact, straight, V01 Baymo, plug, Zinc diecast, shielded |
|------------|---|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002599 | ETIM 7.0 | EC002599 |
| ETIM 8.0 | EC002599 | ETIM 9.0 | 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 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1 |
| SCIP | 9ba9ceba-e039-40fa-9fdf-90f6be2d56d5 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E316369 |

Downloads

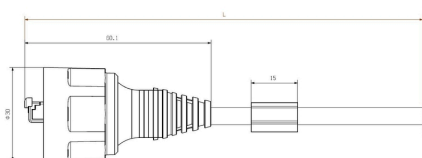
| | |
|--------------------|---|
| Engineering Data | CAD data – STEP |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

IE-C5ES8UG0100B41B41-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Drawings****Dimensioned drawing****Wiring**

| | | | | |
|------|---|---------------|---|------|
| RJ45 | 1 | white, orange | 1 | RJ45 |
| | 2 | orange | 2 | |
| | 3 | white, green | 3 | |
| | 4 | blue | 4 | |
| | 5 | white, blue | 5 | |
| | 6 | green | 6 | |
| | 7 | white, brown | 7 | |
| | 8 | brown | 8 | |