

IE-C5IT4UG0070B2EB2E-X

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

www.weidmueller.com



Assembled IE cables, PROFINET, Cat. 5, PUR, green,
torsion-resistant, PushPull moulded plug-in connector
according to IEC 61076-3-117 ver.14

General ordering data

| | |
|------------|--|
| Version | Torsion cable, RJ45 IP 67 PushPull moulded V14 metal, RJ45 IP 67 PushPull moulded V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 7 m |
| Order No. | 1312690070 |
| Type | IE-C5IT4UG0070B2EB2E-X |
| GTIN (EAN) | 4050118116502 |
| Qty. | 1 items |

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Technical data

Approvals

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

Dimensions and weights

| | | | |
|------------|-------|-----------------|---------------|
| Length | 7 m | Length (inches) | 275.5906 inch |
| Net weight | 500 g | | |

Temperatures

| | | | |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -40 °C...80 °C | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Cable specific standards

| | | | |
|-------------------------------|---|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, wire material | DIN EN 13602 Cu-ETP-A |
| Standard, assembly | UL Style 21161 | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |

General standards

| | |
|--------------------|-------------------------|
| Connector standard | IEC 61076-3-117 Var. 14 |
|--------------------|-------------------------|

Standards

| | | | |
|-------------------------------|---|--------------------|-------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Connector standard | IEC 61076-3-117 Var. 14 |
| Standard, wire material | DIN EN 13602 Cu-ETP-A | Standard, assembly | UL Style 21161 |
| Standard, shielding material | DIN EN 13602 Cu-ETP-A..B | | |

Cable structure

| | | | |
|---------------------------------------|---|------------------------------|---|
| Strands | 19 | Sheathing colour | green (RAL 6018) |
| Standard designations | 02YS C11Y 1X4X0.75/1.5-100 LI VZN FRNC GN | Cross-section | 4*AWG 22/19 - 0.38 mm ² |
| Shielding | S/UTP | Number of wires | 4 |
| Insulation cross-section | 1.5 mm | Insulation | PE |
| Sheath diameter, max. | 6.7 mm | Sheath diameter, min. | 6.3 mm |
| Material sheath | PUR | Arrangement of wire cores | Star-quad |
| Wire core insulation thickness | 0.38 mm | Complete shielding | Plastic foil, Shielding braid made from copper wiring |
| Overlap of shielding braid | 90 % | Wire material | Stranded tin-plated copper wire |
| Diameter of inner sheathing | 4.5 mm | Sheathing material thickness | 1 mm |
| Colour sequence or wires - wire pairs | white, yellow, blue, orange | Shielding braid thickness | 0.13 mm |

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Electrical properties of cable

| | | | |
|--------------------------|--|--------------------------------|------------------------|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Loop resistance | 120 Ω/km |
| Signal propagation time | 4.8 ns/m | Test voltage: wire-wire-shield | 700 Vrms, 50 Hz, 1 min |
| Characteristic impedance | 100 ± 15 Ω at 1–100 MHz | | |

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 | 5 x cable diameter |
| Abrasion resistance | very good | Resistance to spread of flame | in accordance with IEC 60332-1 |
| Fire propagation | No | Torsion resistance | 180 °/m |
| Torsion cycles | 1 mill. | | |

Plug, left

| | |
|-----------|---|
| Plug left | RJ45, IP67, male contact, straight, PushPull V14 moulded, plug, Zinc diecast, shielded |
|-----------|---|

Plug, right

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

Drawings

Wiring

Dimensioned drawing

| RJ45 | | RJ45 |
|------|--------|------|
| 1 | yellow | 1 |
| 2 | orange | 2 |
| 3 | white | 3 |
| 6 | blue | 6 |

Accessories

Blank



TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TM-I 12 MC NE WS | Version |
| Order No. | 1718411044 | TM-I, Insert markers, 12 x 4 mm, white |
| GTIN (EAN) | 4008190348977 | |
| Qty. | 320 ST | |
| Type | TM-I 18 MC NE WS | Version |
| Order No. | 1718431044 | TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white |
| GTIN (EAN) | 4008190349011 | |
| Qty. | 320 ST | |