

IE-C5ED8UG-100

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

www.weidmueller.com



Bulk stock, copper cable, flexible, 4 x 2 x AWG 26/7, Cat. 5, PUR, drag-chain compatible

General ordering data

| | |
|------------|---|
| Version | Dragline cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m |
| Order No. | 8813210000 |
| Type | IE-C5ED8UG-100 |
| GTIN (EAN) | 4032248513062 |
| Qty. | 1 items |
| Packaging | as cable ring in carton |

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Technical data

Approvals

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

Dimensions and weights

| | | | |
|------------|--------|-----------------|----------------|
| Length | 100 m | Length (inches) | 3937.0079 inch |
| Net weight | 5498 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 |
| REACH SVHC | No SVHC above 0.1 wt% |

Technical specifications for cable

| | | | |
|--------------------------------|--|--------------------|----------------------------------|
| Sheathing colour | green (RAL 6018) | Resistance to oils | in accordance with IEC 60811-2-1 |
| Number of wires | 8 | Shielded | Yes |
| Halogen | halogen-free, according to IEC 60754-2 | Insulation | PE |
| Acceleration | 5 m/s ² | Bending cycles | 5 Mio |
| Resistance to spread of flame | in accordance with IEC 60332-1 | Speed | 180 m/min |
| Test voltage: wire-wire-shield | 700 Vrms, 50 Hz, 1 min | Torsion resistance | 30 °/m |
| Number of poles | 8 | | |

Cable specific standards

| | | | |
|-------------------------------|------------------------------|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-25 (HD 624.5) | Standard, wire material | DIN EN 13602 Cu-ETP-A |
| Standard, assembly | UL-Style 20963 (80°C/30V) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Impervious to smoke | According to IEC 61034-2 | | |

Standards

| | | | |
|-------------------------------|------------------------------|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-25 (HD 624.5) | Standard, wire material | DIN EN 13602 Cu-ETP-A |
| Standard, assembly | UL-Style 20963 (80°C/30V) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Impervious to smoke | According to IEC 61034-2 | | |

Cable structure

| | | | |
|--------------------------|--------------------------------------|------------------|--|
| Strands | 7 | Sheathing colour | green (RAL 6018) |
| Standard designations | LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Shielding | SF/UTP | Number of wires | 8 |
| Insulation cross-section | 0.95 mm | Insulation | PE |

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|---------------------------------------|--|--------------------------------|---|
| Sheath diameter, max. | 6.8 mm | Sheath diameter, min. | 6.5 mm |
| Material sheath | PUR | Filler | As central element, Between the individual wire pairs |
| Arrangement of wire cores | Twisted pair | Wire core insulation thickness | 0.23 mm |
| Complete shielding | Plastic foil, Aluminium foil, Shielding braid made from copper wiring | Overlap of shielding braid | 90 % |
| Wire material | Stranded tin-plated copper wire | Sheathing material thickness | 0.85 mm |
| Colour sequence or wires - wire pairs | white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown | Shielding braid thickness | 0.1 mm |

Electrical properties of cable

| | | | |
|--------------------------------|--|-------------------------------|----------------------------|
| Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Speed | 180 m/min |
| Loop resistance | 290 Ω/km | Signal propagation time | 5.55 ns/m |
| Test voltage: wire-wire-shield | 700 Vrms, 50 Hz, 1 min | Capacity at 800 Hz | 50 nF/km |
| Resistance differential | 2 % | Operating voltage, UL | 30 V |
| Delay skew | 40 ns/100m | Operating voltage (UL rating) | 30 V |
| Transfer impedance | 100 mΩ/m at 10 MHz | Characteristic impedance | 100 ± 15 Ω at 1-100 MHz |

Mechanical and material properties of cable

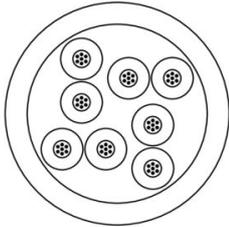
| | | | |
|---------------------------------|---|-------------------------------|-----------------------------------|
| Resistance to oils | in accordance with IEC 60811-2-1 | Silicone-free | Yes |
| UV-resistant | Yes | Pulling force | ≤ 100 N |
| Halogen | halogen-free, according to IEC 60754-2 | Acceleration | 5 m/s ² |
| Min. bending radius, repetitive | 60 mm | Abrasion resistance | very good |
| Bending cycles | 5 Mio | Resistance to spread of flame | in accordance with IEC 60332-1 |
| Speed | 180 m/min | Fire propagation | No |
| Torsion resistance | 30 °/m | Impervious to smoke | According to IEC 61034-2 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC003249 | ETIM 9.0 | EC003249 |
| ETIM 10.0 | EC003249 | ECLASS 14.0 | 27-06-18-01 |
| ECLASS 15.0 | 27-06-18-01 | | |

Drawings

Detailed drawing



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Accessories

Tools



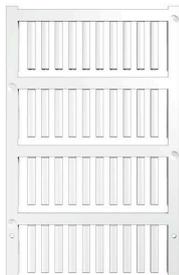
Sheathing stripper for PVC cables

General ordering data

| | | | |
|------------|----------------------------|----------------------------|--|
| Type | AM 12 | Version | |
| Order No. | 9030060000 | Tools, Sheathing strippers | |
| GTIN (EAN) | 4008190337827 | | |
| Qty. | 1 ST | | |

| | | | |
|------------|----------------------------|----------------------------|--|
| Type | IE-CST | Version | |
| Order No. | 9204350000 | Tools, Sheathing strippers | |
| GTIN (EAN) | 4032248653072 | | |
| Qty. | 1 ST | | |

V0 material



SlimFix are conductor and cable markers with a space-saving design. The markers can be fitted even after the conductor has been installed. They consist of halogen-free material and comply with flammability rating V0/V2. SlimFix is an acknowledged and accredited marker type for traffic engineering applications. The SF tool allows easy installation, even in case of small markers.

Advantages:

- Halogen-free material
- Flammability rating V0/V2
- Approved and accredited markers for traffic engineering applications, etc.
- Has to be fixed with cable ties if the conductor cross-section is larger than 16.0 mm²
- Markers in proven MultiCard format

General ordering data

| | | | |
|------------|----------------------------|--|--|
| Type | VT SF 5/21 MC NE WS V0 | Version | |
| Order No. | 1689470001 | SlimFix, Conductor and cable markers, 4.8 - 7.4 mm, 21 x 7.4 mm, | |
| GTIN (EAN) | 4008190872571 | white | |
| Qty. | 160 ST | | |

| | | | |
|------------|----------------------------|--|--|
| Type | VT SF 6/21 MC NE WS V0 | Version | |
| Order No. | 1730560001 | SlimFix, Conductor and cable markers, 5.8 - 7.8 mm, 21 x 8.4 mm, | |
| GTIN (EAN) | 4008190954611 | white | |
| Qty. | 160 ST | | |

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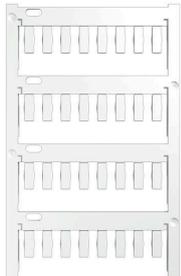
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Accessories

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 GE | Version |
| Order No. | 1718411687 | TM-I, Insert markers, 1.5 - 22 mm, 12 x 4 mm, yellow |
| GTIN (EAN) | 4008190348984 | |
| Qty. | 320 ST | |
| Type | TM-I 18 MC NE GE | Version |
| Order No. | 1718431687 | TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, yellow |
| GTIN (EAN) | 4008190349028 | |
| Qty. | 320 ST | |

TM HF 12 mm



The TM sleeves contain no halogens and virtually no pollutants. The sleeves are equipped with the TM-I 12 or TM-I 18 tags. They cover a wide range of applications for cables and lines. This system has particularly proved its worth in traffic engineering. The slim design guarantees firm seating on the conductor.

- Halogen-free
- The slim design guarantees firm seating on the conductor
- TMX 18 for mounting with cable-ties (width 3.6 mm)

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TM 4/12 HF/HB | Version |
| Order No. | 1719840000 | TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent, |
| GTIN (EAN) | 4008190353193 | Conductor O.D.: 6 - 10 mm |
| Qty. | 500 ST | |

Accessories

TM HF 18 mm



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- The slim design guarantees firm seating on the conductor
- TMX 18 for mounting with cable-ties (width 3.6 mm)

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | TM 4/18 HF/HB | Version | |
| Order No. | 1719850000 | TM, Socket x 11.4 mm, Polyethylene LD, Colour: Transparent, | |
| GTIN (EAN) | 4008190353209 | Conductor O.D.: 6 - 10 mm | |
| Qty. | 500 ST | | |