

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
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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

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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

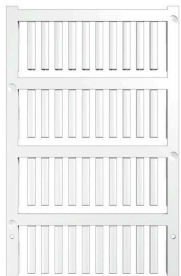


Sheathing stripper for PVC cables

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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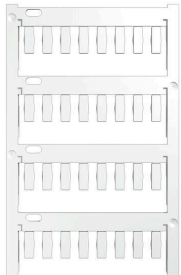
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Accessories

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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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		