Data sheet

IE-C5ES8VG0010M40M40-G

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

www.weidmueller.com

Assembled cables, patch cable Cabinet Line, Cat. 5, PVC, green

General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801), PVC, 1 m
Order No.	1166020010
Type	IE-C5ES8VG0010M40M40-G
GTIN (EAN)	4032248956814
Qty.	1 items

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Technical data

Approvals

Approvals	CE UKCA
ROHS	Conform

Dimensions and weights

Length	1 m	Length (inches)	39.3701 inch
Net weight	55 g		

Temperatures

Storage temperature		Operating temperature	-40 °C...75 °C
Installation temperature			

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 2879 (80°C/30V)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007		

Electrical properties

PoE / PoE+	conforming to IEEE 802.3at

General standards

Connector standard	IEC 60603-7-51

Standards

Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Connector standard	IEC 60603-7-51
Standard, wire material	DIN EN 13602 Cu-ETP-A	Standard, assembly	UL-Style 2879 (80°C/30V)
Standard, shielding material	DIN EN 13602 Cu-ETP-A..B	Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007

Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	LI02YSCY 4X2X0.15 PIMF GN, SF/UTP	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Shielding	SF/UTP	Number of wires	8
Insulation cross-section	0.98 mm	Insulation	PE

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Sheath diameter, max.	5.8 mm	Sheath diameter, min.	5.4 mm
Material sheath	PVC	Type of wire pair shielding	Aluminium foil, Plastic foil
Arrangement of wire cores	Twisted pair	Wire core insulation thickness	0.25 mm
Complete shielding	Shielding braid made from copper wiring	Diameter of wire pair	2.40 mm
Overlap of shielding braid	70 %	Wire material	Stranded tin-plated copper wire
Sheathing material thickness	0.5 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

Transmission rate	10/100 MBit/s, 1000 MBit/s	Category	Cat.5 (ISO/IEC 11801)
Capacity at 1 kHz	48 nF/km	Loop resistance	150 Ω/km
Signal propagation time	5.13 ns/m	Test voltage: wire-wire-shield	750 V DC, 1 min
Resistance differential	3 %	Operating voltage (UL)	30 V
Shield attenuation	55 dB at 30–600 MHz	Delay skew	25 ns/100m
Operating voltage (UL rating)	30 V	Transfer impedance	15 mΩ/m at 1 MHz, 20 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz
Characteristic impedance	100 ± 5 Ω at 100MHz		

Mechanical and material properties of cable

Halogen	Yes	Min. bending radius, repetitive	10 x cable diameter
Min. bending radius, once only	5 x cable diameter	Abrasion resistance	good
Resistance to spread of flame	in accordance with IEC 60332-1		

Plug

Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded	Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded

Plug, left

Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded

Plug, right

Plug right	RJ45, IP20, male contact, straight, plug, Plastic, 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		

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Drawings

Wiring

Dimensioned drawing

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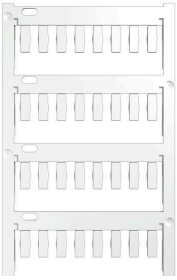
Accessories

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 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	