Data sheet

IE-C6FP8LD0060M40V40-D

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

www.weidmueller.com

Assembled IE cables, patch cable Cabinet Line, Cat. 6, LSZH, grey, 90° angled on one side

General ordering data

Order No.	1248280060
Type	IE-C6FP8LD0060M40V40-D
GTIN (EAN)	4099987308953
Qty.	1 items

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Technical data

Dimensions and weights

Length	20 m	Length (inches)	787.4016 inch
Net weight	246 g		

Temperatures

Installation temperature	0 °C...50 °C

Electrical properties

Current-carrying capacity (at 50 °C)	1 A	PoE / PoE+	conforming to IEEE 802.3at

General standards

Connector standard	IEC 60603-7-51	Application-specific communication cable facilities	ANSI / TIA / EIA-568-B.2-10, ISO / IEC 11801:2002, EN50173-1:2007

Standards

Connector standard	IEC 60603-7-51

Cable structure

Strands	7	Sheathing colour	grey
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm²	Shielding	S/FTP
Number of wires	8	Insulation cross-section	1.04 mm
Insulation	PE	Sheath diameter, max.	5.9 mm
Sheath diameter, min.	5.5 mm	Material sheath	LSZH
Arrangement of wire cores	Twisted pair	Complete shielding	Shielding braid made from copper wiring
Overlap of shielding braid	60 %	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown

Electrical properties of cable

Transmission rate	10 Gbit/s	Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Operating voltage	50 V DC	Coupling attenuation (up to 1000 MHz)	80 dB
Separating class according to EN 50174-2	d	Capacity (1 kHz)	46 nF/km
Coupling resistance (10 MHz / m)	5.00 mΩ	Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec
Resistance differential	5 %	Delay skew	2.5 ns/100m
Operating voltage (UL rating)	30 V AC / 42.4 V DC	Characteristic impedance	100 ± 15 Ω at 1–100 MHz

Mechanical and material properties of cable

Colour	grey	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, once only	4 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-2-2, in accordance with IEC 60332-1-2,

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			in accordance with IEC 60332-3-24, in accordance with UL 2556 (FT1)

Plug

Plug right	RJ45, IP20, male contact, angled 90°, 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, angled 90°, 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



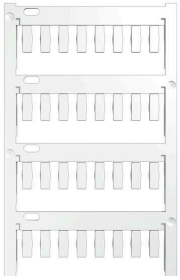
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Accessories

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	