

**IE-C6FS8UG0500A40A40-G****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

Assembled IE cables, patch cable Cabinet Line, Cat. 6,  
PUR, green

**General ordering data**

Version	System cable, RJ45 IP 20, RJ45 IP 20, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), PUR, 50 m
Order No.	<a href="#">8941350500</a>
Type	IE-C6FS8UG0500A40A40-G
GTIN (EAN)	4032248863754
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	50 m	Length (inches)	1,968.504 inch
Net weight	1,990 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...85 °C
Installation temperature	-10 °C...60 °C		

## Cable specific standards

Corrosiveness of fumes	According to EN50288-2-2	Generic communication cable facilities	ISO / IEC 11801:2002, ANSI / TIA / EIA-568- B.2-10, EN 50173-1:2007
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## Electrical properties

PoE / PoE+	conforming to IEEE 802.3at
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## General standards

Certificate no. (cULus)	E316369	Connector standard	IEC 60603-7-51
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## Standards

Connector standard	IEC 60603-7-51	Corrosiveness of fumes	According to EN50288-2-2
Generic communication cable facilities	ISO / IEC 11801:2002, ANSI / TIA / EIA-568- B.2-10, EN 50173-1:2007		

## Cable structure

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - or- ange, white - green, white - brown
Complete shielding	Shielding braid made from copper wiring	Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	1.02 mm
Material sheath	PUR	Number of wires	8
Overlap of shielding braid	60 %	Sheath diameter, max.	6.4 mm
Sheath diameter, min.	6 mm	Sheathing colour	green
Shielding	S/FTP	Strands	7
Wire material	Stranded tin-plated copper wire	Wire pair shielding	Aluminium foil

## Electrical properties of cable

Capacity at 1 kHz	46 nF/km	Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)
Characteristic impedance	100 ± 15 Ω at 1–100 MHz, 100 ± 22 Ω at 100– 250 MHz, 100 ± 25 Ω at 250–600 MHz	Delay skew	25 ns/100m
Signal propagation time	4.27 ns/m	Test voltage: wire-wire-shield	750 V DC, 1 min
Transmission rate	10 Gbit/s		

Creation date July 7, 2024 9:17:24 PM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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## Mechanical and material properties of cable

Abrasion resistance	very good	Corrosiveness of fumes	According to EN50288-2-2
Halogen	halogen-free, according to IEC 60754-2	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 x cable diameter	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1581 FT2	Silicone-free	Yes
UV-resistant	Yes		

## Plug

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

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

Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded
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## Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ECLASS 9.0	27-06-03-08	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-08	ECLASS 11.0	27-06-03-08
ECLASS 12.0	27-06-03-08	ECLASS 13.0	27-06-03-08

## Environmental Product Compliance

REACH SVHC	/
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## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

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## Technical data

### Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Wiring**

RJ45	1	white (orange)	1	RJ45
	2	orange	2	
	3	white (green)	3	
	4	blue	4	
	5	white (blue)	5	
	6	green	6	
	7	white (brown)	7	
	8	brown	8	

**Dimensioned drawing**

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[www.weidmueller.com](http://www.weidmueller.com)**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.	<a href="#">1718411044</a>	TM-I, Insert markers, 12 x 4 mm, white
GTIN (EAN)	4008190348977	
Qty.	320 pc(s).	

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**General ordering data**

Type	TM-I 18 MC NE WS	Version
Order No.	<a href="#">1718431044</a>	TM-I, Insert markers, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 pc(s).	