

## IE-C6FP8LM035CM40M40-M

**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,  
LSZH, magenta

### General ordering data

Version	Patch cable, RJ45 IP 20, RJ45 IP 20, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), LSZH, 0.35 m
Order No.	<a href="#">1201380000</a>
Type	IE-C6FP8LM035CM40M40-M
GTIN (EAN)	4032248984145
Qty.	1 Stück

Erstellungs-Datum May 24, 2023 2:00:57 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Length	0.35 m	Length (inches)	13.78 inch
Net weight	31 g		

### Temperatures

Storage temperature	-20 °C...60 °C	Operating temperature	-20 °C...60 °C
Operating temperature, min.	-20 °C	Operating temperature, max.	60 °C
Installation temperature	0 °C...50 °C		

### Electrical properties

Current-carrying capacity at 50 °C	1 A	PoE / PoE+	conforming to IEEE 802.3at
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### General standards

Application-specific communication cable facilities	ANSI / TIA / EIA-568-B.2-10, ISO / IEC 11801:2002, EN50173-1:2007	Certificate no. (cULus)	E316369
Connector standard	IEC 60603-7-5 1		

### Standards

Connector standard	IEC 60603-7-5 1
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### Cable structure

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - orange, 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	1.04 mm
Material sheath	LSZH	Number of wires	8
Overlap of shielding braid	60 %	Sheath diameter, max.	5.9 mm
Sheath diameter, min.	5.5 mm	Sheathing colour	Magenta
Shielding	S/FTP	Strands	7
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	
Deviation	2.5 ns/100m	
Operating voltage	50 V DC	
Operating voltage (UL rating)	Operating voltage	30 V
	Voltage type	AC
	Operating voltage	42.4 V
	Voltage type	DC
Operating voltage (UL rating)	30 V AC / 42.4 V DC	
Operating voltage, UL	30 V AC / 42.4 V DC	
Resistance differential	5 %	
Speed	10 GBit/s	
Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec	

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**Technische Daten**

**Mechanical and material properties of cable**

Colour	Magenta	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, once only		Resistance to spread of flame	in accordance with IEC 60332-2-2, in accordance with IEC 60332-1-2, in accordance with IEC 60332-3-24, in accordance with UL 2556 (FT1)
	5 x cable diameter		
Speed	10 GBit/s		

**Plug**

Plug	Cable side	left	
	Version of contact face	RJ45	
	Protection degree (IP)	IP20	
	Gender of contact	male contact	
	Outlet direction	straight	
	Version of connector	plug	
	Housing main material	Plastic	
	Status indicator available	No	
	Shielding available	Yes	
	Cable side	right	
	Version of contact face	RJ45	
	Protection degree (IP)	IP20	
	Gender of contact	male contact	
	Outlet direction	straight	
	Version of connector	plug	
	Housing main material	Plastic	
	Status indicator available	No	
	Shielding available	Yes	
	Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded	
	Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded	

**Plug, left**

Connector left	Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded
	RJ45 IP 20	

**Plug, right**

Connector right	RJ45 IP 20	Contact surface	Au ≥ 0.8 µm
Housing main material		Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded
	PC UL 94 V0		
Plugging cycles	750		

**Classifications**

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	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

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## Technische Daten

### Approvals

Approvals



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

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Control - CC-Link Patchcord Certificate</a> <a href="#">Field - CC-Link Patchcord Certificate</a> <a href="#">TSN - CC-Link Patchcord Certificate</a>
Product Change Notification	<a href="#">PCN-PB47-20180213-00-A_EN</a> <a href="#">PCN-PB47-20180213-00-A_DE</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>

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# Zeichnungen

### 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

