

**Industrial Ethernet
IE-C6FP8LD0500M40M40-D**

Weidmüller Interface GmbH & Co. KG
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Assembled IE cables, patch cable Cabinet Line, Cat. 6,
LSZH, grey

General ordering data

Type	IE-C6FP8LD0500M40M40-D
Order No.	1165940500
Version	Patch cable, RJ45 IP 20, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), LSZH, 50 m
GTIN (EAN)	4032248956340
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Length	50 m	Net weight	1,755 g
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Temperatures

Operating temperature	-20 °C...+60 °C	Storage temperature	-20 °C...+60 °C
Installation temperature	0 °C...+50 °C		

Downloads

Attestation of conformity ISO/IEC EN & TIA/EIA Screened Class EA Category 6A, 2 connector channel	ac107535.pdf	Canadian UL approval	DUZX7.E349758.pdf
UL Approval	DUZX.E349758.pdf		

Electrical properties

Current-carrying capacity at 50 °C	1 A	Dielectric strength, contact contact	≥ 1000 V DC
Dielectric strength, contact shield	≥ 1500 V DC	PoE PoE+	conforming to IEEE 802.3at

Standards

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

Copper diameter	0.43 mm	Strands	7
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²	Insulation	PE
Insulation cross-section	1.04 mm	No. of wires	8
Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white/blue - blue, white/orange - orange, white/green - green, white/brown - brown
Shielding	S/FTP	Complete shielding	Shielding braid made from copper wiring
Overlap of shielding braid	60 %	Material sheath	LSZH
Sheath diameter, min.	5.5 mm	Sheath diameter, max.	5.9 mm

Electrical properties of cable

Category	Cat.6 _A / Class E _A (ISO/IEC 11801 2010)	Test voltage: wire-wire-shield, at RMS 50Hz, 1 min.	750 V
Characteristic impedance	100 ± 15 Ω at 1-100 MHz	Deviation	25 ns/100m
Resistance differential	5 %	Capacity at 1 kHz	46 nF/km

Mechanical and material properties of cable

Min. bending radius, once only	25 mm	Min. bending radius, repetitive	50 mm
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1581 FT2	Halogen	halogen-free, according to IEC 60754-2

Erstellungs-Datum December 17, 2013 12:55:32 PM CET

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Technische Daten**plug**

Version connector left	RJ45 IP 20	Version connector right	RJ45 IP 20
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Classifications

ETIM 3.0	EC001262	eClass 6.2	27-06-18-01
eClass 7.1	27-06-18-01		

Approvals

Approvals



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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	
