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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Industrial Ethernet
IE-C6FP8LD0010X40X40-Y**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Assembled IE cables, patch cable crossover, Cat. 6, LSZH,
grey

General ordering data

Order No.	1312160010
Type	IE-C6FP8LD0010X40X40-Y
Version	Patch cable, crossover, RJ45 IP 20, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), LSZH, 1 m
GTIN (EAN)	4050118114775
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	1 m	Net weight	54.1 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

Canadian UL approval	DUZX7.E349758.pdf	UL Approval	DUZX.E349758.pdf
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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
Sheathing colour	light grey (RAL 7035)		

Electrical properties of cable

Category	Cat.6A / 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	in accordance with IEC 60754-2

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Technical data
plug

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

ETIM 2.0	EC001262	ETIM 3.0	EC001262
UNSPSC	26-12-16-09	eClass 4.1	27-06-03-00
eClass 5.1	27-06-18-01	eClass 6.2	27-06-18-01

Approvals

Approvals



ROHS	Conform
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