

IE-C6FP8LD0100X40X40-Y**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

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

General ordering data

Version	Patch cable, crossover, RJ45 IP 20, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), LSZH, 10 m
Order No.	1312160100
Type	IE-C6FP8LD0100X40X40-Y
GTIN (EAN)	4050118114782
Qty.	1 pc(s).

Creation date March 23, 2021 3:29:02 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Length	10 m	Length (inches)	393.701 inch
Net weight	352 g		

Temperatures

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

Cable specific standards

Application-specific communication cable facilities	ANSI / TIA / EIA-568-B.2-10, ISO / IEC 11801:2002, EN50173-1:2007
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Electrical properties

Current-carrying capacity at 50 °C	1 A	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

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

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	Copper diameter	0.43 mm
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²	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	light grey (RAL 7035)	Shielding	S/FTP
Strands	7		

Electrical properties of cable

Capacity at 1 kHz	46 nF/km
Category	Cat.6 _A / Class E _A (ISO/IEC 11801 2010)
Characteristic impedance	100 ± 15 Ω at 1-100 MHz
Coupling attenuation up to 1000 MHz	80 dB
Coupling resistance at 10 MHz	5 mΩ/m
Deviation	25 ns/100m
Operating voltage	50 V DC

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Technical data

Operating voltage (UL rating)	Voltage type	AC
	Operating voltage	30 V
	Voltage type	DC
	Operating voltage	42.4 V
Operating voltage (UL rating)	30 V AC / 42.4 V DC	
Operating voltage, UL	30 V AC / 42.4 V DC	
Resistance differential	5 %	
Separating class according to EN 50174-2	d	
Speed	10 GBit/s	
Test voltage: wire-wire-shield	750 V DC, 1 min	

Mechanical and material properties of cable

Colour	grey	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, once only	25 mm	Min. bending radius, repetitive	50 mm
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)	Speed	10 GBit/s

Plug, left

Connector left	RJ45 IP 20
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Plug, right

Connector right	RJ45 IP 20	Contact surface	Au ≥ 0.8 µm
Housing main material	PC UL 94 V0	Plugging cycles	750

plug

Connector left	RJ45 IP 20	Connector right	RJ45 IP 20
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	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

Approvals

Approvals



ROHS	Conform
UL File Number Search	E316369

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www.weidmueller.com**Technical data****Downloads**Approval/Certificate/Document of
Conformity[DUXR.E316369](#)

Engineering Data

[STEP](#)

Product Change Notification

[PCN-PB47-20180213-00-A_EN](#)[PCN-PB47-20180213-00-A_DE](#)

User Documentation

[MAN IE GUIDE DE](#)[MAN IE GUIDE EN](#)

Data sheet

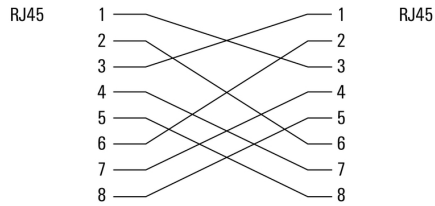
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Drawings

Wiring



Dimensioned drawing

