

IE-C6FP8LO0100M40M40-O

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Assembled IE cables, patch cable Cabinet Line, various colours

General ordering data

Version	Patch cable, RJ45 IP 20, RJ45 IP 20, Cat.6 _A / Class E _A (ISO/IEC 11801 2010), LSZH, 10 m
Order No.	2563810100
Type	IE-C6FP8LO0100M40M40-O
GTIN (EAN)	4050118584561
Qty.	1 pc(s).

Creation date April 16, 2021 2:23:05 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

IE-C6FP8L00100M40M40-O

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Length	10 m	Length (inches)	393.701 inch
Net weight	359 g		

Temperatures

Storage temperature	-20 °C...60 °C	Operating temperature	-20 °C...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
------------------------------------	-----	------------	----------------------------

General 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
-----------------------------------------------------	-------------------------------------------------------------------	--------------------	----------------

Standards

Connector standard	IEC 60603-7-51
--------------------	----------------

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
Shielding	S/FTP	Strands	7
Wire pair shielding	Aluminium foil		

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	
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 %	

Creation date April 16, 2021 2:23:05 AM CEST

Catalogue status 09.04.2021 / We reserve the right to make technical changes.

2

IE-C6FP8L00100M40M40-O

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Separating class according to EN 50174-2	d
Test voltage: wire-wire-shield	750 V DC, 1 min

Mechanical and material properties of cable

Colour	orange	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)		

Plug, left

Connector left	RJ45 IP 20
----------------	------------

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
----------------	------------	-----------------	------------

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

ROHS	Conform
------	---------

Downloads

Approval/Certificate/Document of Conformity	ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 2 connector channel 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
Brochure/Catalogue	Catalogues in PDF-format

Data sheet**IE-C6FP8L00100M40M40-O****Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germanywww.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