

IE-C6FP8LD025CM40M40-D

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

www.weidmueller.com



Assembled IE cables, patch cable Cabinet Line, Cat. 6,
LSZH, grey

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, 0.25 m
Order No.	1353030000
Type	IE-C6FP8LD025CM40M40-D
GTIN (EAN)	4050118155440
Qty.	1 Stück

Erstellungs-Datum May 16, 2023 8:51:23 AM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

IE-C6FP8LD025CM40M40-D

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technische Daten

Dimensions and weights

Length	0.25 m	Length (inches)	9.843 inch
Net weight	24 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
------------------------------------	-----	------------	----------------------------

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

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 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	grey
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	
Coupling attenuation up to 1000 MHz	80 dB	
Coupling resistance at 10 MHz / m	5 mΩ	
Deviation	2.5 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 %	

Erstellungs-Datum May 16, 2023 8:51:23 AM CEST

IE-C6FP8LD025CM40M40-D

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

www.weidmueller.com

Technische Daten

Separating class according to EN 50174-2	d
Speed	10 GBit/s
Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec

Mechanical and material properties of cable

Colour	grey	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, once only	5 x cable diameter	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

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		

IE-C6FP8LD025CM40M40-D

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

www.weidmueller.com

Technische Daten

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

Approvals

Approvals



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

Downloads

Approval/Certificate/Document of Conformity	ISO/IEC EN and TIA/EIA Screened Class EA Category 6A, 2 connector channel DUXR.E316369 Control - CC-Link Patchcord Certificate Field - CC-Link Patchcord Certificate TSN - CC-Link Patchcord Certificate
Engineering Data	CAD 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
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN

IE-C6FP8LD025CM40M40-D

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

www.weidmueller.com

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

