IE-C6FP8LB0006M40M40-B

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

www.weidmueller.com



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

General ordering data

Version	Patch cable, RJ45 IP 20, RJ45 IP 20, Cat.6_A / Class E_A (ISO/IEC 11801 2010), LSZH, 0.6 m
Order No.	1165900006
Type	IE-C6FP8LB0006M40M40-B
GTIN (EAN)	4050118879896
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	0.6 m	Length (inches)	23.622 inch
Net weight	52 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	Certificate no. (cULus)	E316369
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	Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm²
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	blue
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	
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 %	
Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec	

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Mechanical and material properties of cable

Colour	blue	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)

Plug

Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded	Plug right	RJ45, IP20, male contact, straight, plug, Plastic, shielded

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		

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

Catalogues	Catalogues in PDF-format

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Drawings

Wiring

