Industrial Ethernet
IE-C6FP8LY0100M40M40-Y

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Assembled IE cables, patch cable Cabinet Line, Cat. 6, LSZH, yellow

General ordering data

Type	IE-C6FP8LY0100M40M40-Y
Order No.	1251580100
Version	Patch cable, RJ45 IP 20, RJ45 IP 20, Cat.6_A / Class E_A (ISO/IEC 11801 2010), LSZH, 10 m
GTIN (EAN)	4050118042955
Qty.	1 pc(s).

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Technische Daten

Dimensions and weights

Length	10 m	Net weight	395 g

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

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

Cable structure

Copper diameter	0.43 mm	Strands	7
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm²	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	Yellow		

Electrical properties of cable

Category	Cat.6_A / 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	halogen-free, according to IEC 60754-2

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plug

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

Classifications

ETIM 3.0	EC000830	eClass 6.2	27-06-18-01
eClass 7.1	27-06-18-01		

Approvals

Approvals	c UL us LISTED, ME25
ROHS	Conform

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Zeichnungen

Wiring

