Data sheet

IE-C6FP8LD0150M40V40-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, 90° angled on one side

General ordering data

Version	Patch cable, RJ45 IP 20, RJ45 IP 20, Angled 90°, <20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010), 15 m
Order No.	1248280150
Type	IE-C6FP8LD0150M40V40-D
GTIN (EAN)	4050118843798
Qty.	1 items

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Technical data

Approvals

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

Dimensions and weights

Length	15 m	Length (inches)	590.5512 inch
Net weight	554 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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

Cable structure

Strands	7	Sheathing colour	grey
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm²	Shielding	S/FTP
Sheath diameter, max.	5.9 mm	Sheath diameter, min.	5.5 mm
Wire pair shielding	Aluminium foil	Arrangement of wire cores	Twisted pair
Complete shielding	Shielding braid made from copper wiring	Overlap of shielding braid	60 %
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown		

Electrical properties of cable

Category	<20 m: Cat.6A / >20 m Class EA (ISO/IEC 11801 2010)	Operating voltage	50 V DC
Capacity at 1 kHz	46 nF/km	Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec

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Resistance differential	5 %	Delay skew	2.5 ns/100m
Operating voltage (UL rating)	30 V AC / 42.4 V DC	Characteristic impedance	100 ± 15 Ω at 1–100 MHz

Mechanical and material properties of cable

Colour	grey	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, once only	4 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 right	RJ45, IP20, male contact, angled 90°, plug, Plastic, shielded	Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded

Plug, left

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

Plug, right

Plug right	RJ45, IP20, male contact, angled 90°, plug, Plastic, shielded

Classifications

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		

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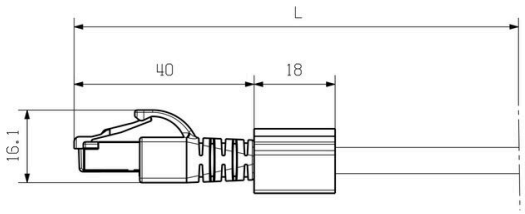
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Drawings

Wiring



Dimensioned drawing



Dimensioned drawing

