

**Industrial Ethernet
IE-C7FS8LM-305M**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Bulk stock, copper cable, flexible, Cat. 7

General ordering data

Type	IE-C7FS8LM-305M
Order No.	1333160000
Version	System cable, Cat.7 (ISO/IEC 11801), LSZH, 305 m
GTIN (EAN)	4050118136968
Qty.	1 pc(s).

Creation date May 3, 2020 3:21:12 AM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

Length	305 m	Length (inches)	12.008 inch
Net weight	12,320 g	Insulation cross-section	1.04 mm

Temperatures

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

Cable specific standards

Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007	Impervious to smoke	to IEC 60754-2
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General standards

Certificate no. (cULus)	E349758
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Cable structure

Copper diameter	0.43 mm	Wire material	Non-insulated copper wire
Strands	7	Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Insulation	PE	Insulation cross-section	1.04 mm
Number of wires	8	Arrangement of wire cores	Twisted pair
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - 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	Magenta

Electrical properties of cable

Category	Cat.7 (ISO/IEC 11801)	Test voltage: wire-wire-shield	750 V DC, 1 min
Characteristic impedance	100 ± 15 Ω at 1-100 MHz	Loop resistance	183 Ω/km
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	Halogen	No
Impervious to smoke	to IEC 60754-2		

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
eClass 9.0	27-06-18-05	eClass 9.1	27-06-90-90
eClass 10.0	27-06-18-01		

Data sheet**Industrial Ethernet
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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

Brochure/Catalogue	CAT 9 IETH 18/19 EN FL FIELDWIRING EN PI PROFINET CABLING EN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

Data sheet

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Drawings

Detailed drawing

