

IE-C7FS8LR-305M

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

www.weidmueller.com



Bulk stock, copper cable, flexible, Cat. 7

General ordering data

Version	System cable, Cat.7 (ISO/IEC 11801), LSZH, 305 m
Order No.	1287910000
Type	IE-C7FS8LR-305M
GTIN (EAN)	4050118079012
Qty.	1 pc(s).

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Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Length	305 m	Length (inches)	12,007.874 inch
Net weight	12,300 g		

Temperatures

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

Technical specifications for cable

Halogen	No	Insulation	PE
Number of wires	8	Resistance to spread of flame	in accordance with IEC 60332-1
Sheathing colour	red	Test voltage: wire-wire-shield	750 V DC, 1 min

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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Standards

Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007	Impervious to smoke	to IEC 60754-2
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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	Copper diameter	0.43 mm
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	red	Shielding	S/FTP
Strands	7	Wire material	Non-insulated copper wire

Electrical properties of cable

Capacity at 1 kHz	46 nF/km	Category	Cat.7 (ISO/IEC 11801)
Characteristic impedance	100 ± 15 Ω at 1-100 MHz	Deviation	25 ns/100m
Loop resistance	183 Ω/km	Resistance differential	5 %
Test voltage: wire-wire-shield	750 V DC, 1 min		

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Mechanical and material properties of cable

Halogen	No	Impervious to smoke	to IEC 60754-2
Min. bending radius, once only	25 mm	Min. bending radius, repetitive	50 mm
Resistance to spread of flame	in accordance with IEC 60332-1		

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	ECLASS 11.0	27-06-18-01

Approvals

Approvals



ROHS	Conform
UL File Number Search	E349758

Downloads

User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
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Data sheet

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Drawings

Detailed drawing

