

IE-C7FS8LE-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.	1344690000
Type	IE-C7FS8LE-305M
GTIN (EAN)	4050118146387
Qty.	1 items
Packaging	as cable ring in carton

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E349758

Dimensions and weights

Length	305 m	Length (inches)	12007.874 inch
Net weight	12088 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Technical specifications for cable

Sheathing colour	black	Resistance to oils	No
Number of wires	8	Shielded	Yes
Halogen	No	Insulation	PE
Resistance to spread of flame	in accordance with IEC 60332-1	Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec

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

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Cable structure

Strands	7	Sheath diameter	6.0 mm
Sheathing colour	black	Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²
Shielding	S/FTP	Number of wires	8
Insulation cross-section	1 mm	Insulation	PE
Sheath diameter, max.	6 mm	Material sheath	LSZH
Copper diameter	0.43 mm	Arrangement of wire cores	Twisted pair

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Complete shielding	Shielding braid made from copper wiring	Overlap of shielding braid	60 %
Wire material	Non-insulated copper wire	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown

Electrical properties of cable

Category	Cat.7 (ISO/IEC 11801)	Operating voltage	125 V max.
Coupling attenuation up to 1000 MHz	80 dB	Separating class according to EN 50174-2	d
Capacity at 1 kHz	44 nF/km	Coupling resistance at 10 MHz / m	5.00 mΩ
Shield attenuation up to 1000 MHz	60.00 dB	Loop resistance	170 Ω/km
Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec	Resistance differential	5 %
Delay skew	2.5 ns/100m	Characteristic impedance	100 ± 5 Ω at 100MHz

Mechanical and material properties of cable

Resistance to oils	No	UV-resistant	No
Pulling force	max. 40 N	Halogen	No
Min. bending radius, once only	5 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1
Impervious to smoke	to IEC 60754-2		

Classifications

ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

Drawings

Detailed drawing

