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 pc(s).
Packaging	as cable ring in carton

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Technical data

Dimensions and weights

Length	305 m	Length (inches)	12,007.874 inch
Net weight	12,088 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	black	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

General standards

Certificate no. (cULus)	E349758

Standards

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

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 mm²	Insulation	PE
Insulation cross-section	1 mm	Material sheath	LSZH
Number of wires	8	Overlap of shielding braid	60 %
Sheath diameter	6.0 mm	Sheathing colour	black
Shielding	S/FTP	Strands	7
Wire material	Non-insulated copper wire		

Electrical properties of cable

Capacity at 1 kHz	44 nF/km	Category	Cat.7 (ISO/IEC 11801)
Characteristic impedance	100 ± 5 Ω at 100MHz	Coupling attenuation up to 1000 MHz	80 dB
Coupling resistance at 10 MHz / m	5 mΩ	Delay skew	2.5 ns/100m
Loop resistance	170 Ω/km	Operating voltage	125 V max.
Resistance differential	5 %	Separating class according to EN 50174-2	d
Shield attenuation up to 1000 MHz	60 dB	Test voltage: wire-wire-shield	2.5 kV / DC for 2 sec

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Mechanical and material properties of cable

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

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	EC003249	ETIM 9.0	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
ECLASS 12.0	27-06-18-01	ECLASS 13.0	27-06-18-01

Approvals

Approvals

ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E349758

Downloads

Approval/Certificate/Document of Conformity	TSN - CC-Link CabinetLine Raw cable Certificate Field - CC-Link CabinetLine Raw cable Certificate Control - CC-Link CabinetLine Raw cable Certificate
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

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Drawings

Detailed drawing