

IE-C7FS8LG-305M**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com



Bulk stock, copper cable, flexible, Cat. 7

General ordering data

Version	System cable, Cat.7 (ISO/IEC 11801), LSZH
Order No.	1344680000
Type	IE-C7FS8LG-305M
GTIN (EAN)	4050118146820
Qty.	1 Stück

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Technische Daten

Dimensions and weights

Net weight 12,180 g

Temperatures

Storage temperature -20 °C...60 °C

Operating temperature, min. -20 °C

Installation temperature 0 °C...50 °C

Operating temperature -20 °C...60 °C

Operating temperature, max. 60 °C

Technical specifications for cable

Halogen No

Number of poles 8

Resistance to spread of flame in accordance with IEC 60332-1

Test voltage: wire-wire-shield 2.5 kV / DC for 2 sec

Insulation PE

Number of wires 8

Sheathing colour green

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

Complete shielding
Shielding braid made from copper wiring

Cross-section
4*2*AWG 27/7 - 4*2*0.1 mm²

Material sheath
LSZH

Overlap of shielding braid
60 %

Sheathing colour
green

Strands
7

Colour sequence or wires - wire pairs
white - blue, white - orange, white - green, white - brown

Copper diameter
0.43 mm

Insulation
PE

Number of wires
8

Sheath diameter
6.0 mm

Shielding
S/FTP

Wire material
Non-insulated copper wire

Electrical properties of cable

Capacity at 1 kHz 44 nF/km

Characteristic impedance 100 ± 5 Ω at 100MHz

Coupling resistance at 10 MHz / m 5 mΩ

Loop resistance 170 Ω/km

Resistance differential 5 %

Shield attenuation up to 1000 MHz 60 dB

Category Cat.7 (ISO/IEC 11801)

Coupling attenuation up to 1000 MHz 80 dB

Deviation 2.5 ns/100m

Operating voltage 125 V max.

Separating class according to EN 50174-2 d

Test voltage: wire-wire-shield 2.5 kV / DC for 2 sec

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www.weidmueller.com IEC 60754-2

Pulling force max. 40 N

Technische Daten

Mechanical and material properties of cable

Halogen	No	Impervious to smoke	www.weidmueller.com
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	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

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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Zeichnungen

Detailed drawing

