

**Industrial Ethernet
IE-C7FS8LG-305M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com



Bulk stock, copper cable, flexible, Cat. 7

General ordering data

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

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Technische Daten

Dimensions and weights

Length	305 m	Net weight	12,180 g
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Temperatures

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

Standards

Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007
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Cable structure

Copper diameter	0.43 mm	Strands	7
Cross-section	4*2*AWG 27/7 - 4*2*0.1 mm ²	Insulation	PE
Insulation cross-section	1.04 mm	No. 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	Green		

Electrical properties of cable

Category	Cat.7 (ISO/IEC 11801)	Test voltage: wire-wire-shield, at RMS 50Hz, 1 min.	750 V
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

Classifications

eClass 6.2	27-06-18-01
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Approvals

Approvals



ROHS	Conform
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Zeichnungen

Detailed drawing

