

**Industrial Ethernet  
IE-C7FS8LG-305M**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



Bulk stock, copper cable, flexible, Cat. 7

**General ordering data**

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

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**Technical data**
**Dimensions and weights**

Length	305 m	Length (inches)	12.008 inch
Net weight	12,180 g	Insulation cross-section	1.04 mm

**Temperatures**

Operating temperature, max.	60 °C	Operating temperature, min.	-20 °C
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	Certificate no. (cULus)	E349758
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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 <sup>2</sup>	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	750 V DC, 1 min
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**

ETIM 5.0	EC000830	ETIM 6.0	EC000830
eClass 6.2	27-06-18-01	eClass 7.1	27-06-18-01
eClass 8.1	27-06-03-08	eClass 9.0	27-06-03-08
eClass 9.1	27-06-90-90		

**Data sheet**

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**Technical data**

**Approvals**

Approvals



ROHS

Conform

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**Drawings**

**Detailed drawing**

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