

**Industrial Ethernet  
IE-C7FS8LM-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-C7FS8LM-305M
Order No.	<a href="#">1333160000</a>
Version	System cable, Cat.7 (ISO/IEC 11801), LSZH, 305 m
GTIN (EAN)	4050118136968
Qty.	1 pc(s).

## Industrial Ethernet IE-C7FS8LM-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

## Technische Daten

### Dimensions and weights

Length	305 m	Net weight	3,227 g
--------	-------	------------	---------

### 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
--	---------------------------------------

### 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	Magenta		

### 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
------------	-------------

### Approvals

Approvals



ROHS	Conform
------	---------

**Datenblatt**

**Industrial Ethernet  
IE-C7FS8LM-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](http://www.weidmueller.com)

**Zeichnungen**

**Detailed drawing**

---

