

**Industrial Ethernet  
IE-C7FS8LR-305M**

**Weidmüller Interface GmbH & Co. KG**  
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Germany  
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Bulk stock, copper cable, flexible, Cat. 7

**General ordering data**

Type	IE-C7FS8LR-305M
Order No.	<a href="#">1287910000</a>
Version	System cable, Cat.7 (ISO/IEC 11801), LSZH, 305 m
GTIN (EAN)	4050118079012
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Length	305 m	Net weight	10,500 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 <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	Red		

### 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	eClass 7.1	27-06-18-01
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### Approvals

Approvals



ROHS	Conform
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**Datenblatt**

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**Zeichnungen**

**Detailed drawing**

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