

**Industrial Ethernet  
IE-C6FP8LD0020M40W40-D**

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



Assembled IE cables, patch cable Cabinet Line, Cat. 6,  
LSZH, grey, 270° angled on one side

**General ordering data**

Type	IE-C6FP8LD0020M40W40-D
Order No.	<a href="#">1233160020</a>
Version	Patch cable, RJ45 IP 20, Angled 270°, RJ45 IP 20, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), LSZH, 2 m
GTIN (EAN)	4050118016734
Qty.	1 pc(s).

## Industrial Ethernet IE-C6FP8LD0020M40W40-D

**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	2 m	Net weight	106 g
--------	-----	------------	-------

### Temperatures

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

### Downloads

Attestation of conformity ISO/IEC EN & TIA/EIA Screened Class EA Category 6A, 2 connector channel	ac107535.pdf	Canadian UL approval	DUZX7.E349758.pdf
UL Approval	DUZX.E349758.pdf		

### Electrical properties

Current-carrying capacity at 50 °C	1 A	Dielectric strength, contact contact	≥ 1000 V DC
Dielectric strength, contact shield	≥ 1500 V DC	PoE PoE+	conforming to IEEE 802.3at

### Standards

Application-specific communication cable facilities	ANSI / TIA / EIA-568-B.2-10, ISO / IEC 11801:2002, EN50173-1:2007	Connector standard	IEC 60603-7-51
---	---	--------------------	----------------

### 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 - blue, white/orange - orange, white/green - green, white/brown - 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

### Electrical properties of cable

Category	Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010)	Test voltage: wire-wire-shield, at RMS 50Hz, 1 min.	750 V
Characteristic impedance	100 ± 15 Ω at 1-100 MHz	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 / UL 1581 FT2	Halogen	halogen-free, according to IEC 60754-2

**Datenblatt**

**Industrial Ethernet  
IE-C6FP8LD0020M40W40-D**

**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**

**plug**

Version connector left	RJ45 IP 20, Angled 270°	Version connector right	RJ45 IP 20
------------------------	-------------------------	-------------------------	------------

**Classifications**

ETIM 3.0	EC001262	eClass 6.2	27-06-18-01
eClass 7.1	27-06-18-01		

**Approvals**

Approvals



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

**Datenblatt****Industrial Ethernet  
IE-C6FP8LD0020M40W40-D**

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

**Zeichnungen****Wiring**

---

RJ45	1	white, orange	1	RJ45
	2	orange	2	
	3	white, green	3	
	4	blue	4	
	5	white, blue	5	
	6	green	6	
	7	white, brown	7	
	8	brown	8	

---

---