

**Industrial Ethernet  
IE-C5ED8UB-100M**

**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, 4 x 2 x AWG 26/7, Cat. 5, PUR, drag-chain compatible

**General ordering data**

Type	IE-C5ED8UB-100M
Order No.	<a href="#">8960670000</a>
Version	Dragline cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m
GTIN (EAN)	4032248771028
Qty.	1 pc(s).

**Industrial Ethernet  
IE-C5ED8UB-100M**

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

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

Length	100 m	Length (inches)	3.937 inch
Net weight	5,420 g	Insulation cross-section	0.95 mm

**Temperatures**

Operating temperature, max.	80 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...80 °C	Storage temperature	-40 °C...80 °C
Installation temperature	-20 °C...60 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
------------	----------------

**Electrical properties**

Insulation strength	500,000 Ω
---------------------	-----------

**Standards**

Impervious to smoke	According to IEC 61034-2	Standard, assembly	UL-Style 20963 (80°C/30V)
Standard, insulating material	DIN EN 50290-2-25 (HD 624.5)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, shielding material	DIN EN 13602 Cu-ETP-A..B		

**Cable structure**

Wire material	Stranded tin-plated copper wire	Standard designations	L19Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP
Strands	7	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
Insulation cross-section	0.95 mm	Wire core insulation thickness	0.23 mm
Arrangement of wire cores	Twisted pair	Diameter of wire pair	1.9 mm
Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown	Filler	As central element, Between the individual wire pairs
Shielding	SF/UTP	Complete shielding	Plastic foil, Aluminium foil, Shielding braid made from copper wiring
Shielding braid thickness	0.1 mm	Overlap of shielding braid	90 %
Material sheath	PUR	Sheath diameter, min.	6.3 mm
Sheath diameter, max.	6.8 mm	Sheathing material thickness	0.85 mm
Sheathing colour	blue (RAL 5015)		

**Electrical properties of cable**

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Operating voltage (UL rating)	30 V undefined
Test voltage: wire-wire-shield	700 V <sub>rms</sub> , 50 Hz, 1 min	Characteristic impedance	100 ± 5 Ω at 100MHz
Loop resistance	270 Ω/km	Deviation	40 ns/100m
Resistance differential	2 %	Transfer impedance	100 mΩ/m at 10 MHz
Insulation strength	500,000 Ω	Capacity at 800 Hz	50 nF/km
Signal propagation time	5.55 ns/m	Speed	180 m/min

Creation date May 28, 2019 12:36:48 AM CEST

## Industrial Ethernet IE-C5ED8UB-100M

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

## Technical data

### Mechanical and material properties of cable

Bending cycles	5 Mio	Min. bending radius, once only	4 x cable diameter
Min. bending radius, repetitive	7.5 x cable diameter	Pulling force	≤ 100 N
Speed	180 m/min	Acceleration	5 m/s <sup>2</sup>
Torsion resistance	30 °/m	Abrasion resistance	very good
Resistance to spread of flame	in accordance with IEC 60332-1	Resistance to oils	in accordance with IEC 60811-2-1
UV-resistant	Yes	Silicone-free	Yes
Halogen	halogen-free, according to IEC 60754-2	Impervious to smoke	According to IEC 61034-2
Fire propagation	No		

### Classifications

ETIM 3.0	EC000830	ETIM 4.0	EC000830
ETIM 5.0	EC000830	ETIM 6.0	EC000830
eClass 6.2	27-06-91-90	eClass 7.1	27-06-91-90
eClass 8.1	27-06-03-08	eClass 9.0	27-06-18-05
eClass 9.1	27-06-90-90		

### Approvals

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

### Downloads

Brochure/Catalogue	<a href="#">CAT 9 IETH 15/16 EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>

**Data sheet**

**Industrial Ethernet  
IE-C5ED8UB-100M**

**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)

**Drawings**

**Detailed drawing**

