

**Industrial Ethernet  
IE-7CC4x2xAWG26/7-PVC**

**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-7CC4x2xAWG26/7-PVC
Order No.	<a href="#">8813170000</a>
Version	System cable, Cat.7 (ISO/IEC 11801), PVC, 100 m
GTIN (EAN)	4032248513024
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Length	100 m	Length (inches)	3.937 inch
Net weight	4,460 g	Insulation cross-section	0.98 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	-15 °C...60 °C		

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Electrical properties

Insulation strength	5000 MΩ
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### Standards

Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007	Standard, assembly	UL-Style 2879 (80°C/30V)
Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	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	S/FTP, IE-7CC4x2xAWG26/7-PVC LI02YSCY PIMF E130266 (UL) AWM STYLE 2879 80°C 30V
Strands	7	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	0.98 mm
Wire core insulation thickness	0.25 mm	No. of wires	8
Arrangement of wire cores	Twisted pair	Diameter of wire pair	2.4 mm
Wire pair shielding	Plastic foil, Aluminium foil	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
Shielding braid thickness	0.1 mm	Overlap of shielding braid	70 %
Material sheath	PVC	Sheath diameter, min.	6.1 mm
Sheath diameter, max.	6.7 mm	Sheathing material thickness	0.5 mm
Sheathing colour	green (RAL 6018)		

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**Technical data****Electrical properties of cable**

Category	Cat.7 (ISO/IEC 11801)	Test voltage: wire-wire-shield	700 V AC
Characteristic impedance	100 ± 5 Ω at 100MHz	Loop resistance	150 Ω/km
Deviation	25 ns/100m	Resistance differential	3 %
Transfer impedance	15 mΩ/m at 1 MHz, 20 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz	Shield attenuation	55 dB at 30–600 MHz
Insulation strength	5000 MΩ	Capacity at 1 kHz	48 nF/km
Signal propagation time	5.13 ns/m		

**Mechanical and material properties of cable**

Min. bending radius, once only	5 x cable diameter	Min. bending radius, repetitive	10 x cable diameter
Abrasion resistance	good	Resistance to spread of flame	in accordance with IEC 60332-1

**Classifications**

ETIM 3.0	EC001262	ETIM 4.0	EC000830
ETIM 5.0	EC000830	ETIM 6.0	EC000830
UNSPSC	26-12-16-06	eClass 5.1	27-06-18-02
eClass 6.2	27-06-18-01	eClass 7.1	27-06-18-01
eClass 8.1	27-06-03-08	eClass 9.0	27-06-18-05
eClass 9.1	27-06-90-90		

**Approvals**

ROHS	Conform
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**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>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>

**Data sheet**

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**Drawings**

**Detailed drawing**

