

**Industrial Ethernet
IE-7CC4X2XAWG26/7-PVC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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Germany

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Bulk stock, copper cable, flexible, Cat. 7

General ordering data

Type	IE-7CC4X2XAWG26/7-PVC
Order No.	8813170000
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		

Cable specific 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, shielding material	DIN EN 13602 Cu-ETP-A..B
Standard, wire material	DIN EN 13602 Cu-ETP-A		

Electrical properties

Insulation strength	5000 MΩ
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Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	S/FTP, IE-7CC4x2xAWG26/7-PVC LIO2YSCY PIMF E130266 (UL) AWM STYLE 2879 80°C 30V
Strands	7	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Insulation	PE	Insulation cross-section	0.98 mm
Wire core insulation thickness	0.25 mm	Number 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)		

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		

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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 6.0	EC000830	ETIM 7.0	EC003249
eClass 9.0	27-06-18-05	eClass 9.1	27-06-90-90
eClass 10.0	27-06-18-01	UNSPSC	26-12-16-06

Approvals

ROHS	Conform
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Downloads

Brochure/Catalogue	CAT 9 IETH 18/19 EN FL FIELDWIRING EN PI PROFINET CABLING EN
Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Detailed drawing

