

**Industrial Ethernet**  
**IE-7IC4x2xAWG23/1-PVC**

**Weidmüller Interface GmbH & Co. KG**  
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Bulk stock, copper cable, rigid, 4 x 2 x AWG 23/1, Cat. 7,  
green

**General ordering data**

Type	IE-7IC4x2xAWG23/1-PVC
Order No.	<a href="#">8813130000</a>
Version	Installation cable, Cat.7 (ISO/IEC 11801), PVC, 100 m
GTIN (EAN)	4032248512881
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Length	100 m	Length (inches)	3.937 inch
Net weight	6,490 g	Insulation cross-section	1.4 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

Corrosiveness of fumes	to IEC 60754-2	Generic communication cable facilities	EN 50173-1:2007, ISO / IEC 11801:2002
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### Cable structure

Wire material	Non-insulated copper wire	Standard designations	IE-7IC4x2xAWG23/1-PVC 02YSCY PIMF, S/FTP
Strands	1	Cross-section	4*2*AWG 23/1 - 4*2*0.255 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	1.4 mm
No. of wires	8	Arrangement of wire cores	Twisted pair
Wire pair shielding		Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Shielding	Aluminium foil	Complete shielding	Shielding braid made from copper wiring
Shielding braid thickness	S/FTP	Material sheath	PVC
Sheath diameter, min.	0.1 mm	Sheath diameter, max.	8.4 mm
Sheathing colour	8 mm		
	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	5 ns/100m	Insulation strength	5000 MΩ
Capacity at 1 kHz	45 nF/km	Signal propagation time	4.5 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
UV-resistant	Yes	Silicone-free	Yes
Corrosiveness of fumes	to IEC 60754-2		

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### 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

### 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**

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**Drawings**

**Detailed drawing**

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