

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

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, rigid, 4 x 2 x AWG 23/1, Cat. 7,
green

General ordering data

Type	IE-7IC4x2xAWG23/1-PUR
Order No.	8813140000
Version	Installation cable, Cat.7 (ISO/IEC 11801), PUR, 100 m
GTIN (EAN)	4032248512898
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	100 m	Length (inches)	3.937 inch
Net weight	6,174 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	ISO / IEC 11801:2002, EN 50173-1:2007
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Cable structure

Wire material	Non-insulated copper wire	Standard designations	IE-7IC4x2xAWG23/1-PUR O2YSC11Y PIMF, S/FTP
Strands	1	Cross-section	4*2*AWG 23/1 - 4*2*0.255 mm ²
Insulation	PE	Insulation cross-section	1.4 mm
No. of wires	8	Arrangement of wire cores	Twisted pair
Wire pair shielding	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	Material sheath	PUR
Sheath diameter, min.	8 mm	Sheath diameter, max.	8.4 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	5 ns/100m	Insulation strength	5000 MΩ
Capacity at 1 kHz	45 nF/km	Signal propagation time	4.25 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	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
Corrosiveness of fumes	to IEC 60754-2		

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	CAT 9 IETH 15/16 EN FL FIELDWIRING EN PI PROFINET CABLING EN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

Data sheet

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Drawings

Detailed drawing

