

**Industrial Ethernet
IE-7IC4X2XAWG23/1-PVC**

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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.	8813130000
Version	Installation cable, Cat.7 (ISO/IEC 11801), PVC, 100 m
GTIN (EAN)	4032248512881
Qty.	1 pc(s).

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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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		

Cable specific standards

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

Insulation strength	5000 MΩ
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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 ²
Insulation	PE	Insulation cross-section	1.4 mm
Number 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	PVC
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	4.5 ns/m

Mechanical and material properties of cable

Colour	green	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

Data sheet

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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
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

Data sheet

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Drawings

Detailed drawing

