

**Industrial Ethernet
IE-5IC4X2XAWG24/1-PUR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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Bulk stock, copper cable, rigid, 4 x 2 x AWG 24/1, Cat. 5,
green

General ordering data

Type	IE-5IC4X2XAWG24/1-PUR
Order No.	8813160000
Version	Installation cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m
GTIN (EAN)	4032248513017
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	100 m	Length (inches)	3.937 inch
Net weight	4,544 g	Insulation cross-section	1 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 EN 50173-1:2007, ISO / IEC 11801:2002

Electrical properties

Insulation strength 5000 MΩ

Cable structure

Wire material	Non-insulated copper wire	Standard designations	IE-5IC4x2xAWG24/1-PUR 02YS(ST)C11Y, SF/UTP
Strands	1	Cross-section	4*2*AWG 24/1 - 4*2*0.205 mm ²
Insulation	PE	Insulation cross-section	1 mm
Number of wires	8	Arrangement of wire cores	Twisted pair
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding	SF/UTP
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Material sheath	PUR
Sheath diameter, min.	6.3 mm	Sheath diameter, max.	6.7 mm
Sheathing colour	green (RAL 6018)		

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Test voltage: wire-wire-shield	700 V AC
Characteristic impedance	100 ± 5 Ω at 100MHz	Loop resistance	190 Ω/km
Deviation	15 ns/100m	Transfer impedance	10 mΩ/m at 10 MHz
Insulation strength	5000 MΩ	Capacity at 1 kHz	50 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	very good
Resistance to spread of flame	in accordance with IEC 60332-1	Resistance to oils	in accordance with IEC 60811-2-1
Halogen	halogen-free, according to IEC 60754-2		

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Technical data**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

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Drawings

Detailed drawing

