

**Industrial Ethernet
IE-5IC4X2XAWG24/1-PVC**

Weidmüller Interface GmbH & Co. KG
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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-PVC
Order No.	8813 150000
Version	Installation cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
GTIN (EAN)	4032248512904
Qty.	1 pc(s).

Creation date May 1, 2020 6:21:38 AM CEST

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	4,720 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		

Electrical properties

Insulation strength	500,000 Ω
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Cable structure

Wire material	Non-insulated copper wire	Standard designations	IE-5CC4x2xAWG26/7-PVC LI02YS(ST)CY, SF/UTP
Strands	1	Cross-section	4*2*AWG 24/1 - 4*2*0.205 mm ²
Insulation	PE	Insulation cross-section	1 mm
Wire core insulation thickness	0.25 mm	Number of wires	8
Arrangement of wire cores	Twisted pair	Diameter of wire pair	2 mm
Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown	Shielding	SF/UTP
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Shielding braid thickness	0.1 mm
Overlap of shielding braid	65 %	Material sheath	PVC
Sheath diameter, min.	5.7 mm	Sheath diameter, max.	6.3 mm
Sheathing material thickness	0.55 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	290 Ω/km
Deviation	40 ns/100m	Resistance differential	3 %
Transfer impedance	10 mΩ/m at 10 MHz	Insulation strength	500,000 Ω
Capacity at 1 kHz	47 nF/km	Signal propagation time	4.85 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	Fire propagation	No

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

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Data sheet**Industrial Ethernet
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Technical data**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

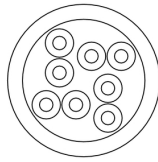
Data sheet

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Drawings

Detailed drawing



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Accessories

Tools



The CST with blue blade cartridge produces the best stripping results. The blue double-stage blade cartridge is particularly suited for Ethernet cables. It saves time and also ensures optimal stripping results.

General ordering data

Type	IE-CST	Version
Order No.	9204350000	Tools, Sheathing strippers, Coaxial data and round cables
GTIN (EAN)	4032248653072	
Qty.	1 pc(s).	

Tools

Sheathing stripper for PVC cables



General ordering data

Type	AM 12	Version
Order No.	9030060000	Tools, Sheathing strippers, UTP and STP data cables
GTIN (EAN)	4008190337827	
Qty.	1 pc(s).	