

**Industrial Ethernet  
IE-5IC4x2xAWG24/1-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 24/1, Cat. 5,  
green

**General ordering data**

Type	IE-5IC4x2xAWG24/1-PUR
Order No.	<a href="#">8813160000</a>
Version	Installation cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m
GTIN (EAN)	4032248513017
Qty.	1 pc(s).

**Industrial Ethernet  
IE-5IC4x2xAWG24/1-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

**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		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
------------	----------------

**Electrical properties**

Insulation strength	5000 MΩ
---------------------	---------

**Standards**

Generic communication cable facilities	EN 50173-1:2007, ISO / IEC 11801:2002
--	---------------------------------------

**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 <sup>2</sup>
Insulation	PE	Insulation cross-section	1 mm
No. 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**

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

Creation date May 28, 2019 12:27:47 AM CEST

## Industrial Ethernet IE-5IC4x2xAWG24/1-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

## Technical data

### 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**

**Industrial Ethernet  
IE-5IC4x2xAWG24/1-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](http://www.weidmueller.com)

**Drawings**

**Detailed drawing**

---

