

**Industrial Ethernet
IE-7IC4x2xAWG23/1-PVC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

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-PVC
Order No.	8813130000
Version	Installation cable, Cat.7 (ISO/IEC 11801), PVC, 100 m
GTIN (EAN)	4032248512881
Qty.	1 pc(s).

Industrial Ethernet IE-7IC4x2xAWG23/1-PVC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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	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		

Electrical properties

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

Standards

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

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		Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Shielding	Aluminium foil	Complete shielding	Shielding braid made from copper wiring
	S/FTP	Material sheath	PVC
Shielding braid thickness	0.1 mm	Sheath diameter, max.	8.4 mm
Sheath diameter, min.	8 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

Industrial Ethernet
IE-7IC4x2xAWG23/1-PVC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

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
------	---------

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

Industrial Ethernet IE-7IC4x2xAWG23/1-PVC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

Drawings

Detailed drawing

