

**Industrial Ethernet
IE-C5AS4V1000****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, PROFINET, type A, PVC, rigid,
green

General ordering data

Type	IE-C5AS4V1000
Order No.	8899000000
Version	Installation cable, PROFINET, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
GTIN (EAN)	4032248649372
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	100 m	Length (inches)	3.937 inch
Net weight	6,430 g	Insulation cross-section	1.5 mm

Temperatures

Operating temperature, max.	75 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	75 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...75 °C	Storage temperature	-40 °C...75 °C
Installation temperature	-20 °C...60 °C		

Cable specific standards

Standard, additional standards	UL-File E11901 Vol.3 Sec.1 Page 2 Verified Cat. 5e, UL-File E116441 Vol.1 Sec.6 Page 8, UL- File E306668 Vol.1 Sec.3 Page 1	Standard, assembly	UL-Style 21694
Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, shielding material	DIN EN 13602 Cu-ETP- A..B
Standard, wire material	DIN EN 13602 Cu-ETP-A		

Electrical properties

Insulation strength	500,000 Ω
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Cable structure

Wire material	Non-insulated copper wire	Standard designations	2YY(ST)CY 2x2x0.64/1.5-100 GN
Strands	1	Cross-section	4*AWG 22/1 - 0.33 mm ²
Insulation	PE	Insulation cross-section	1.5 mm
Wire core insulation thickness	0.43 mm	Number of wires	4
Arrangement of wire cores	Star-quad	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Diameter of inner sheathing	3.9 mm	Filler	As central element
Shielding	SF/UTP	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Shielding braid thickness	0.13 mm	Overlap of shielding braid	90 %
Material sheath	PVC	Sheath diameter, min.	6.3 mm
Sheath diameter, max.	6.7 mm	Sheathing material thickness	0.9 mm
Sheathing colour	green (RAL 6018)		

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Operating voltage (UL rating)	600 V undefined
Test voltage: wire-wire-shield	2000 V _{eff} , 50 Hz, 1 min	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Loop resistance	115 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	52 nF/km
Signal propagation time	5.3 ns/m		

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Mechanical and material properties of cable

Colour	green	Min. bending radius, once only	3.5 *diameter
Min. bending radius, repetitive	7.5 x cable diameter	Abrasion resistance	good
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685	Resistance to oils	limited
UV-resistant	Complies with UL 1581 Sec. 1200		

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	26-12-16-04

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
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

