

## IE-C5AS4VG-100

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Bulk stock, copper cable, PROFINET, type A, PVC, rigid, green

### General ordering data

Version	Installation cable, PROFINET, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
Order No.	<a href="#">8899000000</a>
Type	IE-C5AS4VG-100
GTIN (EAN)	4032248649372
Qty.	1 items
Packaging	as cable ring in carton

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**Technical data**

**Approvals**

ROHS Conform

**Dimensions and weights**

Length	100 m	Length (inches)	3937.0079 inch
Net weight	6430 g		

**Temperatures**

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-40 °C...80 °C		

**Environmental Product Compliance**

RoHS Compliance Status Compliant without exemption  
 REACH SVHC No SVHC above 0.1 wt%

**Technical specifications for cable**

Sheathing colour	green (RAL 6018)	Resistance to oils	limited
Number of wires	4	Shielded	Yes
Halogen	yes (PVC cable)	Insulation	PE
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685	Test voltage: wire-wire-shield	2000 Veff, 50 Hz, 1 min
Number of poles	4		

**Cable specific standards**

Standard, insulating material	DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, assembly	UL-Style 21694	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
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	Impervious to smoke	No

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## Technical data

## Cable structure

Strands	1	Sheathing colour	green (RAL 6018)
Standard designations	2YY(ST)CY 2x2x0,64/1,5-100 GN	Cross-section	4*AWG 22/1 - 0.33 mm <sup>2</sup>
Shielding	SF/UTP	Number of wires	4
Insulation cross-section	1.5 mm	Insulation	PE
Sheath diameter, max.	6.7 mm	Sheath diameter, min.	6.3 mm
Material sheath	PVC	Filler	As central element
Arrangement of wire cores	Star-quad	Wire core insulation thickness	0.43 mm
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Overlap of shielding braid	85 %
Wire material	Non-insulated copper wire	Diameter of inner sheathing	4.05 mm
Sheathing material thickness	0.9 mm	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Shielding braid thickness	0.13 mm		

## Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Capacity at 1 kHz	52 nF/km
Loop resistance	115 Ω/km	Signal propagation time	5.3 ns/m
Test voltage: wire-wire-shield	2000 Veff, 50 Hz, 1 min	Resistance differential	3 %
Operating voltage, UL	600 V	Delay skew	40 ns/100m
Operating voltage (UL rating)	600 V	Transfer impedance	10 mΩ/m at 10 MHz
Characteristic impedance	100 ± 5 Ω at 100MHz		

## Mechanical and material properties of cable

Resistance to oils	limited	UV-resistant	Complies with UL 1581 Sec. 1200
Colour	green	Halogen	yes (PVC cable)
Min. bending radius, repetitive	8 x cable diameter	Min. bending radius, once only	4 x cable diameter
Abrasion resistance	good	Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685
Impervious to smoke	No		

## Classifications

ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

**Drawings**

**Detailed drawing**

