

## IE-C5DS4VG-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 B, PVC, flexible, green

### General ordering data

Version	System cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
Order No.	<a href="#">8898990000</a>
Type	IE-C5DS4VG-100
GTIN (EAN)	4032248649358
Qty.	1 items
Packaging	as cable ring in carton

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Length	100 m	Length (inches)	3937.0079 inch
Net weight	5851.12 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	in accordance with IEC 60811-2-1
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

## 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

## 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

## Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	2YY(ST)CY 2x2x0,75/1,5-100 LI VZN GN	Cross-section	4*AWG 22/7 - 0.32 mm <sup>2</sup>
Shielding	SF/UTP	Number of wires	4
Insulation cross-section	1.56 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	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Overlap of shielding braid	85 %	Wire material	Stranded tin-plated copper wire

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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

Insulation resistance	500,000 Ω	Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Loop resistance	120 Ω/km	Signal propagation time	5.3 ns/m
Test voltage: wire-wire-shield	2000 Veff, 50 Hz, 1 min	Operating voltage, UL	600 V
Operating voltage (UL rating)	600 V	Transfer impedance	20 mΩ/m at 10 MHz
Characteristic impedance	100 ± 5 Ω at 100MHz		

### Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811-2-1	UV-resistant	Yes
Halogen	yes (PVC cable)	Min. bending radius, repetitive	7.5 x cable diameter
Min. bending radius, once only	3.5 *diameter	Abrasion resistance	good
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685		

### 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**

