

IE-C5DS4VG-100**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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.	8898990000
Type	IE-C5DS4VG-100
GTIN (EAN)	4032248649358
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	100 m	Length (inches)	3,937.008 inch
Net weight	6,681 g		

Temperatures

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

Technical specifications for cable

Insulation	PE	Number of wires	4
Resistance to oils	in accordance with IEC 60811-2-1	Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685
Sheathing colour	green (RAL 6018)	Test voltage: wire-wire-shield	2000 V _{eff} , 50 Hz, 1 min

Cable specific standards

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

Standards

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

Cable structure

Arrangement of wire cores	Star-quad	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*AWG 22/7 - 0.32 mm ²
Diameter of inner sheathing	4.05 mm	Filler	As central element
Insulation	PE	Insulation cross-section	1.56 mm
Material sheath	PVC	Number of wires	4
Overlap of shielding braid	85 %	Sheath diameter, max.	6.7 mm
Sheath diameter, min.	6.3 mm	Sheathing colour	green (RAL 6018)
Sheathing material thickness	0.9 mm	Shielding	SF/UTP
Shielding braid thickness	0.13 mm	Standard designations	2YY(ST)CY 2x2x0.75/1,5-100 LI VZN GN
Strands	7	Wire material	Stranded tin-plated copper wire

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Electrical properties of cable

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

Mechanical and material properties of cable

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

Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	EC003249	ETIM 9.0	EC003249
ECLASS 9.0	27-06-18-05	ECLASS 9.1	27-06-90-90
ECLASS 10.0	27-06-18-01	ECLASS 11.0	27-06-18-01
ECLASS 12.0	27-06-18-01	ECLASS 13.0	27-06-18-01

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

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Drawings

Detailed drawing

