

**IE-C5DD4UG-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 C, PUR, flexible,  
green, drag-chain compatible

**General ordering data**

Version	Dragline cable, PROFINET, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m
Order No.	<a href="#">8899010000</a>
Type	IE-C5DD4UG-100
GTIN (EAN)	4032248649365
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	100 m	Length (inches)	3,937.008 inch
Net weight	6,271 g		

## Temperatures

Storage temperature	-50 °C...70 °C	Operating temperature	-40 °C...70 °C
Installation temperature	-20 °C...60 °C		

## Technical specifications for cable

Acceleration	4 m/s <sup>2</sup>	Bending cycles	3 Mio
Halogen	halogen-free, according to IEC 60754-2	Insulation	PE
Number of poles	4	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
Sheathing colour	green (RAL 6018)	Speed	180 m/min
Test voltage: wire-wire-shield	2000 V <sub>eff</sub> , 50 Hz, 1 min		

## Cable specific standards

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, 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 <sup>2</sup>
Diameter of inner sheathing	3.9 mm	Filler	As central element
Insulation	PE	Insulation cross-section	1.51 mm
Material sheath	PUR	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	2YH(ST)C11Y 2x2x0.75/1.5-100 LI VZN GN FRNC
Strands	7	Wire core insulation thickness	0.38 mm
Wire material	Stranded tin-plated copper wire		

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## Electrical properties of cable

Capacity at 1 kHz	52 nF/km	Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Characteristic impedance	100 ± 15 Ω at 1–100 MHz	Delay skew	40 ns/100m
Loop resistance	120 Ω/km	Operating voltage (UL rating)	600 V
Operating voltage, UL	600 V	Resistance differential	3 %
Signal propagation time	5.3 ns/m	Speed	180 m/min
Test voltage: wire-wire-shield	2000 V <sub>eff</sub> , 50 Hz, 1 min	Transfer impedance	20 mΩ/m at 10 MHz

## Mechanical and material properties of cable

Abrasion resistance	very good	Acceleration	4 m/s <sup>2</sup>
Bending cycles	3 Mio	Colour	green
Fire propagation	No	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, once only	5 x cable diameter	Min. bending radius, repetitive	7.5 x cable diameter
Pulling force	≤ 150 N	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1	Silicone-free	Yes
Speed	180 m/min	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	<a href="#">PROFINET Manufacturer's Declaration</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">PI PROFINET CABLING EN</a>

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# Drawings

## Detailed drawing

