

IE-C5DD4UG-MW**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, Products sold by meter, from 110 m
Order No.	8947670000
Type	IE-C5DD4UG-MW
GTIN (EAN)	4032248736249
Qty.	1 m

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Technical data

Dimensions and weights

Net weight	50 g
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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 ²	Bending cycles	3 Mio
Halogen	halogen-free, according to IEC 60754-2	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	Sheathing colour	green (RAL 6018)
Speed	180 m/min	Test voltage: wire-wire-shield	2000 V _{eff} , 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		

Electrical properties

Insulation strength	500,000 Ω
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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 - 0.36 mm ²
Diameter of inner sheathing	3.9 mm	Filler	As central element
Insulation	PE	Insulation cross-section	1.5 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 $\pm$ 15 Ω at 1–100 MHz
Deviation	40 ns/100m
Insulation strength	500,000 Ω
Loop resistance	120 Ω /km
Operating voltage (UL rating)	Operating voltage 600 V
Operating voltage (UL rating)	600 V undefined
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 _{eff} , 50 Hz, 1 min
Transfer impedance	20 m Ω /m at 10 MHz

Mechanical and material properties of cable

Abrasion resistance	very good	Acceleration	4 m/s ²
Bending cycles	3 Mio	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	$\leq$ 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
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

Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	PROFINET Manufacturer's Declaration
Engineering Data	WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Detailed drawing

