

**Industrial Ethernet
IE-C5DD4UG0010MCSMCS-E**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Assembled IE cables, PROFINET, Cat. 5, PUR, green, drag-chain compatible, M12

General ordering data

Order No.	1025950010
Type	IE-C5DD4UG0010MCSMCS-E
Version	Dragline cable, PROFINET, M12 IP 67 straight male, M12 IP 67 straight male, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 1 m
GTIN (EAN)	4032248830855
Qty.	1 pc(s).

Industrial Ethernet
IE-C5DD4UG0010MCSMCS-E

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Dimensions and weights

Length	1 m	Net weight	100 g
--------	-----	------------	-------

Temperatures

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

Downloads

UL Approval	DUXR.E316369.pdf
-------------	------------------

Electrical properties

Insulation resistance	500.000 Ω
-----------------------	-----------

Standards

Connector standard	IEC 61076-2-101	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, shielding material	DIN EN 13602 Cu-ETP-A..B

Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	2YH(ST)C11Y 2x2x0.75/1.5-100 LI VZN GN FRNC
Strands	7	Cross-section	4*AWG 22/7 - 0.36 mm ²
Insulation	PE	Insulation cross-section	1.5 mm
Wire core insulation thickness	0.38 mm	No. of wires	4
Arrangement of wire cores	Star-quad	Colour sequence or wires - wire pairs	white, yellow, blue, orange
Diameter of inner sheathing	3.9 mm	Filler	As central element
Shielding	SF/UTP	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Shielding braid thickness	0.13 mm	Overlap of shielding braid	85 %
Material sheath	PUR	Sheath diameter, min.	6.3 mm
Sheath diameter, max.	6.7 mm	Sheathing material thickness	0.9 mm
Sheathing colour	green (RAL 6018)		

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Operating voltage, UL	600 V
Test voltage: wire-wire-shield, at RMS 50Hz, 1 min.	2,000 V	Characteristic impedance	100 ± 15 Ω at 1-100 MHz
Loop resistance	120 Ω/km	Deviation	40 ns/100m
Resistance differential	3 %	Transfer impedance	20 mΩ/m at 10 MHz
Insulation resistance	500.000 Ω	Capacity at 1 kHz	52 nF/km
Signal propagation time	5.3 ns/m		

**Industrial Ethernet
IE-C5DD4UG0010MCSMCS-E**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Mechanical and material properties of cable

Bending cycles	3 Mio	Min. bending radius, once only	5 *diameter
Min. bending radius, repetitive	7.5 *diameter	Pulling force	≤ 150 N
Speed	180 m/min	Acceleration	4 m/s ²
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1
Resistance to oils	in accordance with IEC 60811-2-1	UV-resistant	Yes
Silicone-free	Yes	Halogen	in accordance with IEC 60754-2
Fire propagation	No		

plug

Version connector left	M12 IP 67 straight male	Version connector right	M12 IP 67 straight male
------------------------	-------------------------	-------------------------	-------------------------

Classifications

ETIM 3.0	EC000830	eClass 6.2	27-06-91-90
eClass 7.1	27-06-91-90		

Approvals

Approvals



ROHS Conform

**Industrial Ethernet
IE-C5DD4UG0010MCSMCS-E**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings**Wiring**

M12		M12
1	yellow	1
2	white	2
3	orange	3
4	blue	4
