

## IE-C5DD4UG0100MCSDCS-E

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



### General ordering data

Version	Dragline cable, PROFINET, M12 D-code – IP 67 straight pin, M8 D-code - IP67 straight pin, Cat. 5e
Order No.	<a href="#">2859780100</a>
Type	IE-C5DD4UG0100MCSDCS-E
GTIN (EAN)	4064675573678
Qty.	1 items

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## Technical data

### Approvals

ROHS	Conform
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### Dimensions and weights

Net weight	250 g
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### Temperatures

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

### Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

### 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, 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, shielding material	DIN EN 13602 Cu-ETP-A..B		

### Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	2YH(ST)C11Y 2x2x0,75/1,5-100 LI VZN GN FRNC	Cross-section	4*AWG 22/7 - 0.32 mm <sup>2</sup>
Number of wires	4	Sheath diameter, max.	6.7 mm
Sheath diameter, min.	6.3 mm	Filler	As central element
Arrangement of wire cores	Star-quad	Wire core insulation thickness	0.38 mm
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Overlap of shielding braid	85 %
Wire material	Stranded tin-plated copper wire	Diameter of inner sheathing	3.9 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

Category	Cat. 5e	Speed	180 m/min
Capacity at 1 kHz	52 nF/km	Loop resistance	120 Ω/km
Test voltage: wire-wire-shield	2000 Veff, 50 Hz, 1 min	Resistance differential	3 %
Operating voltage, UL	600 V	Delay skew	40 ns/100m

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**Technical data**

Operating voltage (UL rating)	600 V	Transfer impedance	20 mΩ/m at 10 MHz
Characteristic impedance	100 ± 15 Ω at 1–100 MHz		

**Mechanical and material properties of cable**

Resistance to oils	Yes	Silicone-free	Yes
UV-resistant	Yes	Pulling force	≤ 150 N
Halogen	No	Acceleration	4 m/s <sup>2</sup>
Min. bending radius, repetitive	7.5 x cable diameter	Min. bending radius, once only	5 x cable diameter
Abrasion resistance	very good	Bending cycles	3 Mio
Resistance to spread of flame	Yes	Speed	180 m/min
Fire propagation	No		

**Plug, left**

Plug left	M12, D-coded, IP67, male contact, straight, plug, Plastic, shielded
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**Plug, right**

Plug right	M8, D-coded, IP67, male contact, straight, Plastic, shielded
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**Classifications**

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-08		