

IE-C5DD4UG0010MCSDCS-E**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**General ordering data**

Version	Dragline cable, PROFINET, M12 D-code – IP 67 straight pin, M8 D-code - IP67 straight pin
Order No.	2859780010
Type	IE-C5DD4UG0010MCSDCS-E
GTIN (EAN)	4064675573784
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Net weight	110 g
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Temperatures

Storage temperature	-50 °C...70 °C	Installation temperature	-20 °C...60 °C
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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 ²
Diameter of inner sheathing	3.9 mm	Filler	As central element
Overlap of shielding braid	85 %	Sheath diameter, max.	6.7 mm
Sheath diameter, min.	6.3 mm	Sheathing material thickness	0.9 mm
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		

Electrical properties of cable

Capacity at 1 kHz	52 nF/km	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 %	Speed	180 m/min
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	very good	Acceleration	4 m/s ²
Bending cycles	3 Mio	Fire propagation	No
Min. bending radius, once only	5 x cable diameter	Min. bending radius, repetitive	7.5 x cable diameter
Pulling force	≤ 150 N	Silicone-free	Yes
Speed	180 m/min		

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ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ECLASS 9.0	27-06-03-08	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-08	ECLASS 11.0	27-06-03-08
ECLASS 12.0	27-06-03-08	ECLASS 13.0	27-06-03-08

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Approvals

ROHS	Conform
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Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format