

**IE-C6HD8UG0100XCSXCS-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, M12 X-type IP 67 straight male, M12 X-type IP 67 straight male, Cat.6 <sub>A</sub> / Class E <sub>A</sub> (ISO/IEC 11801 2010), PUR, 10 m
Order No.	<a href="#">2723040100</a>
Type	IE-C6HD8UG0100XCSXCS-E
GTIN (EAN)	4050118785791
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	10 m	Length (inches)	393.701 inch
Net weight	499 g		

## Temperatures

Operating temperature	-40 °C...80 °C	Installation temperature	-30 °C...70 °C
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## Cable structure

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Complete shielding	Shielding braid made from copper wiring	Copper diameter	0.55 µm
Cross-section	4*2*AWG 26/19 - 4*2*0.128 mm <sup>2</sup>	Insulation	PP
Insulation cross-section	0.98 mm	Material sheath	PUR
Number of wires	8	Sheath diameter, max.	7.8 mm
Sheathing colour	green (RAL 6018)	Shielding	S/FTP
Strands	19	Wire material	Stranded tin-plated copper wire
Wire pair shielding	Aluminium foil		

## Electrical properties of cable

Category	Cat.6A / Class E <sub>A</sub> (ISO/IEC 11801 2010)	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Loop resistance	280 Ω/km	Signal propagation time	5.34 ns/m
Test voltage: wire-wire-shield	700 V <sub>rms</sub> , 50 Hz, 1 min	Transfer impedance	max. 30 mΩ/m at 10 MHz
Transmission rate	10 Gbit/s		

## Mechanical and material properties of cable

Abrasion resistance	very good	Halogen	halogen-free
Min. bending radius, once only	4 x cable diameter	Min. bending radius, repetitive	7.5 x cable diameter
Pulling force	≤ 100 N	Resistance to oils	in accordance with IEC 60811-2-1; acc. to CSA 22.2, 4 days/100°C
Resistance to spread of flame	in accordance with IEC 60332-1-2, in accordance with UL 1581 VW-1 and CSA FT1	UV-resistant	Yes

## Plug, left

Plug left	M12, X-coded, IP67, male contact, straight, plug, Plastic, shielded
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## Plug, right

Plug right	M12, X-coded, IP67, male contact, straight, plug, Plastic, shielded
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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
ECLASS 14.0	27-06-03-08		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
RoHS Compliance Status	Compliant

**Approvals**

ROHS	Conform
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**Downloads**

Catalogues	<a href="#">Catalogues in PDF-format</a>
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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Pinning**

M12	1	White, Orange	1	M12
	2	Orange	2	
	3	White, Green	3	
	4	Green	4	
	5	White, Brown	5	
	6	Brown	6	
	7	White, Blue	7	
	8	Blue	8	

