

## IE-C6HD8UG0100A40XCS-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, RJ45 IP 20, Cat.6 (ISO/IEC 11801), PUR, 10 m
Order No.	<a href="#">2723030100</a>
Type	IE-C6HD8UG0100A40XCS-E
GTIN (EAN)	4050118785920
Qty.	1 items

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Length	10 m	Length (inches)	393.7008 inch
Net weight	680.08 g		

## Temperatures

Storage temperature		Operating temperature	-40 °C...80 °C
Installation temperature	-30 °C...70 °C		

## Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

## Cable structure

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

## Electrical properties of cable

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

## Mechanical and material properties of cable

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

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**Technical data****Plug, left**

Plug left	RJ45, IP20, 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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**Classifications**

ETIM 8.0	EC002599	ETIM 9.0	EC002599
ETIM 10.0	EC002599	ECLASS 14.0	27-06-03-08
ECLASS 15.0	27-06-03-07		

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**Drawings**

**Connection diagram**

RJ45	1	White, Orange	1	M12
	2	Orange	2	
	3	White, Green	3	
	4	Blue	8	
	5	White, Blue	7	
	6	Green	4	
	7	White, Brown	5	
	8	Brown	6	

**Printing**

