Data sheet

IE-C6HD8UG0075A40XCS-E

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

www.weidmueller.com



General ordering data

Version	Dragline cable, M12 X-type IP 67 straight male, RJ45 IP 20, Cat.6_A / Class E_A (ISO/IEC 11801 2010), PUR, 7.5 m
Order No.	2723030075
Type	IE-C6HD8UG0075A40XCS-E
GTIN (EAN)	4050118785913
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	7.5 m	Length (inches)	295.276 inch
Net weight	500 g		

Temperatures

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

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 mm²	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.6_A / Class E_A (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_{rms}, 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

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Technical data

Plug

Plug	Cable side	left
	Version of contact face	RJ45
	Protection degree (IP)	IP20
	Gender of contact	male contact
	Outlet direction	straight
	Version of connector	plug
	Housing main material	Plastic
	Status indicator available	No
	Shielding available	Yes
	Cable side	right
	Version of contact face	M12
	Coding of plug	X-coded
	Protection degree (IP)	IP67
	Gender of contact	male contact
	Outlet direction	straight
	Version of connector	plug
	Housing main material	Plastic
	Status indicator available	No
	Shielding available	Yes
Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded	
Plug right	M12, X-coded, IP67, male contact, straight, plug, Plastic, shielded	

Plug, left

Connector left	M12 X-type IP 67 straight male	Plug left	RJ45, IP20, male contact, straight, plug, Plastic, shielded

Plug, right

Connector right	RJ45 IP 20	Plug right	M12, X-coded, IP67, male contact, straight, plug, Plastic, shielded

Classifications

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	27060308

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Approvals

ROHS	Conform

Downloads

Catalogues	Catalogues in PDF-format

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Drawings

Connection diagram



Printing

