IE-C5ED8UG0050XCSXCS-E

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

www.weidmueller.com

Industrial Ethernet connection technology by Weidmüller offers the optimal solution for the infrastructure of your machine, system or factory. All connection technology is available from one source.
The benefits for you:

- IEC-standardised connectors, in the variants 1, 4, 5 , 6 and 14
- consistently Cat. 6_A with ***STEADY****TEC*® technolgy
- in IP20 and IP67
- all relevant industrial connections: RJ45, SC, ...
- comprehensive range of accessories

General ordering data

Version	Dragline cable, M12 X-type IP 67 straight male, M12 X-type IP 67 straight male, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 5 m
Order No.	1510030050
Type	IE-C5ED8UG0050XCSXCS-E
GTIN (EAN)	4050118319286
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	5 m	Length (inches)	196.85 inch
Net weight	298 g		

Temperatures

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

Cable specific standards

Impervious to smoke	According to IEC 61034-2	Standard, assembly	UL-Style 20963 (80°C/30V)
Standard, insulating material	DIN EN 50290-2-25 (HD 624.5)	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	Twisted pair	Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown
Complete shielding	Plastic foil, Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm²
Filler	As central element, Between the individual wire pairs	Insulation cross-section	0.95 mm
Material sheath	PUR	Overlap of shielding braid	90 %
Sheath diameter, max.	6.8 mm	Sheath diameter, min.	6.5 mm
Sheathing colour	green (RAL 6018)	Sheathing material thickness	0.85 mm
Shielding	SF/UTP	Shielding braid thickness	0.1 mm
Standard designations	LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP	Strands	7
Wire core insulation thickness	0.23 mm	Wire material	Stranded tin-plated copper wire

Electrical properties of cable

Capacity at 800 Hz	50 nF/km	
Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	
Characteristic impedance	100 ± 15 Ω at 1–100 MHz	
Delay skew	40 ns/100m	
Loop resistance	290 Ω/km	
Operating voltage (UL rating)	Operating voltage	30 V
Operating voltage (UL rating)	30 V	
Operating voltage, UL	30 V	
Resistance differential	2 %	
Signal propagation time	5.55 ns/m	
Speed	180 m/min	
Test voltage: wire-wire-shield	700 V_{rms}, 50 Hz, 1 min	
Transfer impedance	100 mΩ/m at 10 MHz	

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Mechanical and material properties of cable

Abrasion resistance	very good	Acceleration	5 m/s²
Fire propagation	No	Halogen	halogen-free, according to IEC 60754-2
Impervious to smoke	According to IEC 61034-2	Min. bending radius, repetitive	60 mm
Pulling force	≤ 100 N	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1	Silicone-free	Yes
Speed	180 m/min	Torsion resistance	30 °/m
UV-resistant	Yes		

Plug

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	X-coded
	Protection degree (IP)	IP67
	Gender of contact	male contact
	Outlet direction	straight
	Housing main material	Zinc diecast
	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
	Housing main material	Zinc diecast
	Status indicator available	No
	Shielding available	Yes
Plug left	M12, X-coded, IP67, male contact, straight, Zinc diecast, shielded	
Plug right	M12, X-coded, IP67, male contact, straight, Zinc diecast, 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
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

Approvals

ROHS	Conform

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Downloads

User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN