

## IE-C5ED8UG0100A2EA2E-X

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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. 6A with STEADYTEC® technology
- in IP20 and IP67
- all relevant industrial connections: RJ45, SC, ...
- comprehensive range of accessories

### General ordering data

Version	Dragline cable, RJ45 IP 67 PushPull V14 metal, RJ45 IP 67 PushPull V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 10 m
Order No.	<a href="#">2657610100</a>
Type	IE-C5ED8UG0100A2EA2E-X
GTIN (EAN)	4050118667356
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

Length	10 m	Length (inches)	393.7008 inch
Net weight	723.04 g		

## Temperatures

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

## Environmental Product Compliance

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

## Cable specific standards

Standard, insulating material	DIN EN 50290-2-25 (HD 624.5)	Standard, wire material	DIN EN 13602 Cu-ETP-A
Standard, assembly	UL-Style 20963 (80°C/30V)	Standard, shielding material	DIN EN 13602 Cu-ETP-A..B
Impervious to smoke	According to IEC 61034-2		

## Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
Shielding	SF/UTP	Insulation cross-section	0.95 mm
Sheath diameter, max.	6.8 mm	Sheath diameter, min.	6.5 mm
Material sheath	PUR	Filler	As central element, Between the individual wire pairs
Arrangement of wire cores	Twisted pair	Wire core insulation thickness	0.23 mm
Complete shielding	Plastic foil, Aluminium foil, Shielding braid made from copper wiring	Overlap of shielding braid	90 %
Wire material	Stranded tin-plated copper wire	Sheathing material thickness	0.85 mm
Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown	Shielding braid thickness	0.1 mm

## Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Speed	180 m/min
Loop resistance	290 Ω/km	Signal propagation time	5.55 ns/m

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Test voltage: wire-wire-shield	700 Vrms, 50 Hz, 1 min	Capacity at 800 Hz	50 nF/km
Resistance differential	2 %	Operating voltage, UL	30 V
Delay skew	40 ns/100m	Operating voltage (UL rating)	30 V
Transfer impedance	100 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	Silicone-free	Yes
UV-resistant	Yes	Pulling force	≤ 100 N
Halogen	halogen-free, according to IEC 60754-2	Acceleration	5 m/s <sup>2</sup>
Min. bending radius, repetitive	60 mm	Abrasion resistance	very good
Resistance to spread of flame	in accordance with IEC 60332-1	Speed	180 m/min
Fire propagation	No	Torsion resistance	30 °/m
Impervious to smoke	According to IEC 61034-2		

### Plug

Plug right	RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, shielded	Plug left	RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, shielded
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### Plug, left

Plug left	RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, shielded
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### Plug, right

Plug right	RJ45, IP67, male contact, straight, PushPull V14, Zinc diecast, 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	27-06-03-08		