

## IE-C5ES8VG0010A40A40-E

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

[www.weidmueller.com](http://www.weidmueller.com)



### General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 1 m
Order No.	<a href="#">8934630010</a>
Type	IE-C5ES8VG0010A40A40-E
GTIN (EAN)	4050118615937
Qty.	1 Stück

Erstellungs-Datum May 24, 2023 3:46:32 PM CEST

Katalogstand 12.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Length	1 m	Length (inches)	39.37 inch
Net weight	48.11 g		

### Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	80 °C
Installation temperature	0 °C...50 °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	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
Diameter of wire pair	2 mm	Insulation	PE
Insulation cross-section	1 mm	Material sheath	PVC
Number of wires	8	Overlap of shielding braid	65 %
Sheath diameter, max.	6.1 mm	Sheath diameter, min.	5.7 mm
Sheathing colour	green (RAL 6018)	Shielding	SF/UTP
Shielding braid thickness	0.1 mm	Strands	7
Wire core insulation thickness	0.25 mm	Wire material	Stranded tin-plated copper wire

### Electrical properties of cable

Capacity at 1 kHz	47 nF/km	Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Characteristic impedance	100 ± 5 Ω at 100MHz	Deviation	25 ns/100m
Loop resistance	290 Ω/km	Resistance differential	3 %
Signal propagation time	4.85 ns/m	Test voltage: wire-wire-shield	700 V AC
Transfer impedance	10 mΩ/m at 10 MHz		

### Mechanical and material properties of cable

Abrasion resistance	good	Fire propagation	No
Halogen	Yes	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 x cable diameter	Resistance to spread of flame	in accordance with IEC 60332-1

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## Technische Daten

### Plug

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

### Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	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

### Approvals

Approvals



ROHS

Conform

### Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>