

IE-C5ES8VG0050A40A2E-X**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 **STEADYTEC®** technology
- in IP20 and IP67
- all relevant industrial connections: RJ45, SC, ...
- comprehensive range of accessories

General ordering data

Version	System cable, RJ45 IP 20, RJ45 IP 67 PushPull V14 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 5 m
Order No.	2471270050
Type	IE-C5ES8VG0050A40A2E-X
GTIN (EAN)	4050118485332
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	5 m	Length (inches)	196.85 inch
Net weight	268 g		

Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-15 °C...60 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Cable structure

Arrangement of wire cores		Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
	Twisted pair		
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
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.	5.8 mm	Sheath diameter, min.	5.2 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	40 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
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		

plug

Connector left	RJ45 IP 20	Connector right	RJ45 IP 67 PushPull V14 metal
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Classifications

ETIM 6.0	EC002599	ETIM 7.0	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

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Technical data

Approvals

ROHS	Conform
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Downloads

Engineering Data	EPLAN, WSCAD
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN