

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. 6A 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 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Length	5 m	Length (inches)	196.8504 inch
Net weight	268 g		

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Installation temperature	0 °C...50 °C		

Environmental Product Compliance

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

Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²	Shielding	SF/UTP
Number of wires	8	Insulation cross-section	1 mm
Insulation	PE	Sheath diameter, max.	6.1 mm
Sheath diameter, min.	5.7 mm	Material sheath	PVC
Arrangement of wire cores	Twisted pair	Wire core insulation thickness	0.25 mm
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Diameter of wire pair	2.00 mm
Overlap of shielding braid	65 %	Wire material	Stranded tin-plated copper wire
Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding braid thickness	0.1 mm

Electrical properties of cable

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

Mechanical and material properties of cable

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

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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	27-06-03-07		