

**IE-C5ES8VG0150A40A40-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<sub>A</sub> 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 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 15 m
Order No.	<a href="#">1142800000</a>
Type	IE-C5ES8VG0150A40A40-E
GTIN (EAN)	4032248925995
Qty.	1 pc(s).

Creation date March 23, 2021 1:51:06 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Length	15 m	Length (inches)	590.551 inch
Net weight	577.25 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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**General standards**

Connector standard	IEC 60603-7-51
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**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.	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 20
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# Technical data

### 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

### Approvals

ROHS	Conform
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### Downloads

Engineering Data	<a href="#">STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>