

## IE-C5ES8VG0450A40A40-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, 45 m
Order No.	<a href="#">1222890000</a>
Type	IE-C5ES8VG0450A40A40-E
GTIN (EAN)	4050118006384
Qty.	1 items

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## Technical data

### Approvals

Approvals



ROHS Conform

### Dimensions and weights

Length	45 m	Length (inches)	1771.6535 inch
Net weight	1622 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 without exemption
REACH SVHC	No SVHC above 0.1 wt%

### Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>	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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**Technical data**

**Plug**

Plug right	RJ45, IP20, male contact, straight, Plastic, shielded	Plug left	RJ45, IP20, male contact, straight, Plastic, shielded
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**Plug, left**

Plug left	RJ45, IP20, male contact, straight, Plastic, shielded
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**Plug, right**

Plug right	RJ45, IP20, male contact, straight, Plastic, 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		