

**Industrial Ethernet
IE-C5ES8VG0005A44S41-X**

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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
- Cat. 6 throughout_A with **STEADYTEC**® technology
- pre-assembled cables and cables sold by the metre
- Copper and fibre-optic cables
- in IP20 and IP67
- all relevant industrial connections: RJ45, M12, SC, ...
- comprehensive range of accessories

General ordering data

Type	IE-C5ES8VG0005A44S41-X
Order No.	1378510000
Version	System cable, RJ45 IP 67 PushPull V04 plastic, RJ45 IP 67 bayonet V01 plastic, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 0.5 m
GTIN (EAN)	4050118179668
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	0.5 m	Length (inches)	0.02 inch
Net weight	38 g	Insulation cross-section	1 mm

Temperatures

Operating temperature, max.	80 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...80 °C	Storage 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

Wire material	Stranded tin-plated copper wire	Strands	7
Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²	Insulation	PE
Insulation cross-section	1 mm	Wire core insulation thickness	0.25 mm
No. of wires	8	Arrangement of wire cores	Twisted pair
Diameter of wire pair	2 mm	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Shielding	SF/UTP	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Shielding braid thickness	0.1 mm	Overlap of shielding braid	65 %
Material sheath	PVC	Sheath diameter, min.	5.2 mm
Sheath diameter, max.	5.8 mm	Sheathing colour	green (RAL 6018)

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Test voltage: wire-wire-shield	700 V AC
Characteristic impedance	100 ± 5 Ω at 100MHz	Loop resistance	290 Ω/km
Deviation	40 ns/100m	Resistance differential	3 %
Transfer impedance	10 mΩ/m at 10 MHz	Capacity at 1 kHz	47 nF/km
Signal propagation time	4.85 ns/m		

Mechanical and material properties of cable

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

plug

Connector left	RJ45 IP 67 PushPull V04 plastic	Connector right	RJ45 IP 67 bayonet V01 plastic
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Technical data**Classifications**

ETIM 3.0	EC001262	ETIM 6.0	EC002599
UNSPSC	26-12-16-06	eClass 5.1	27-06-18-02
eClass 6.2	27-14-91-90	eClass 7.1	27-14-91-90
eClass 8.1	27-14-91-90	eClass 9.0	27-06-03-08
eClass 9.1	27-06-03-08		

Approvals

ROHS	Conform
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Downloads

Brochure/Catalogue	FL FIELDWIRING EN PI PROFINET CABLING EN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN