

Industrial Ethernet IE-C5ES8UG0900A40A40-E

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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
- 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

Order No.	8894650000
Type	IE-C5ES8UG0900A40A40-E
Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 90 m
GTIN (EAN)	4032248643226
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Length	90 m	Net weight	3,677 g
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Temperatures

Operating temperature	-40 °C...+80 °C	Storage temperature	-40 °C...+80 °C
Installation temperature	-10 °C...+60 °C		

Standards

Corrosiveness of fumes	to IEC 60754-2	Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007
Connector standard	IEC 60603-7-5 1	Standard, assembly	UL-Style 20963 (80°C/30V)

Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	SF/UTP, IE-7IC4x2xAWG23/1-PUR 02YSC11Y PIMF
Strands	7	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Insulation	PE	Insulation cross-section	1 mm
No. of wires	8	Arrangement of wire cores	Twisted pair
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
Material sheath	PUR	Sheath diameter, min.	5.7 mm
Sheath diameter, max.	6.1 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, at RMS 50Hz, 1 min.	700 V
Characteristic impedance	100 ± 5 Ω at 100MHz	Loop resistance	290 Ω/km
Deviation	25 ns/100m	Capacity at 1 kHz	50 nF/km
Signal propagation time	4.85 ns/m		

Mechanical and material properties of cable

Min. bending radius, once only	5 *diameter	Min. bending radius, repetitive	10 *diameter
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1
Resistance to oils	in accordance with IEC 60811-2-1	UV-resistant	Yes
Silicone-free	Yes	Halogen	in accordance with IEC 60754-2
Corrosiveness of fumes	to IEC 60754-2		

plug

Version connector left	RJ45 IP 20	Version connector right	RJ45 IP 20
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Classifications

ETIM 2.0	EC001262	ETIM 3.0	EC001262
UNSPSC	26-12-16-06	eClass 4.1	27-06-08-05
eClass 5.1	27-06-18-02	eClass 6.2	27-06-18-01
eClass 7.1	27-06-18-01		

Approvals

Approvals



ROHS

Conform