Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Industrial Ethernet
IE-C5ES8UG0900A40A40-E

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 **STEADY**TEC® technolgy

• 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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Industrial Ethernet
IE-C5ES8UG0900A40A40-E

Technical data

Dimensions and weights

Length	90 m	Net weight	3,677 g

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 60603-7-51	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 mm²
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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Technical data

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

ME25

ROHS	Conform