

## IE-C5ES8UG0100B41B41-E

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Assembled IE cables for EtherNet/IP applications with bayonet connector according to IEC 61076-3-106 var. 1, cat. 5, sheathed

### General ordering data

Version	System cable, RJ45 IP 67 Baymo V01 metal, RJ45 IP 67 Baymo V01 metal, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 10 m
Order No.	<a href="#">1066880000</a>
Type	IE-C5ES8UG0100B41B41-E
GTIN (EAN)	4032248820313
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E316369

## Dimensions and weights

Length	10 m	Length (inches)	393.7008 inch
Net weight	466 g		

## Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-10 °C...60 °C		

## Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	9ba9ceba-e039-40fa-9fdf-90f6be2d56d5

## Cable specific standards

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

## General standards

Connector standard	IEC 61076-3-106 Var. 1, IEC 60603-7-5 1	Certificate no. (cULus)	E316369
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## Standards

Connector standard	IEC 61076-3-106 Var. 1, IEC 60603-7-5 1	Standard, assembly	UL-Style 20963 (80°C/30V)
Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007	Corrosiveness of fumes	to IEC 60754-2

## Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	LI02YS(ST)C11Y 4x2x0.15-100 GN NC, SF/ UTP	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.	6.3 mm	Sheath diameter, min.	5.7 mm
Material sheath	PUR	Arrangement of wire cores	Twisted pair

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Complete shielding	Aluminium foil, Shielding braid made from copper wiring	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	1000 Vrms, 50 Hz, 1 min	Delay skew	25 ns/100m
Characteristic impedance	100 ± 5 Ω at 100MHz		

## Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811-2-1	Silicone-free	Yes
UV-resistant	Yes	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, repetitive	10 x cable diameter	Min. bending radius, once only	4 x cable diameter
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1
Corrosiveness of fumes	to IEC 60754-2		

## Plug, left

Plug left	RJ45, IP67, male contact, straight, V01 Baymo, plug, Zinc diecast, shielded
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## Plug, right

Plug right	RJ45, IP67, male contact, straight, V01 Baymo, plug, Zinc diecast, 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		

**Drawings**

**Dimensioned drawing**

**Wiring**

RJ45	1	white, orange	1	RJ45
	2	orange	2	
	3	white, green	3	
	4	blue	4	
	5	white, blue	5	
	6	green	6	
	7	white, brown	7	
	8	brown	8	