

**IE-C5ES8UG0020B41B41-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, 2 m
Order No.	<a href="#">1066860000</a>
Type	IE-C5ES8UG0020B41B41-E
GTIN (EAN)	4032248820009
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	2 m	Length (inches)	78.74 inch
Net weight	190 g		

## Temperatures

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

## Cable specific standards

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

## General standards

Certificate no. (cULus)	E316369	Connector standard	IEC 61076-3-106 Var. 1, IEC 60603-7-51
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## Standards

Connector standard	IEC 61076-3-106 Var. 1, IEC 60603-7-51	Corrosiveness of fumes	to IEC 60754-2
Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007	Standard, assembly	UL-Style 20963 (80°C/30V)

## Cable structure

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	1 mm
Material sheath	PUR	Number of wires	8
Sheath diameter, max.	6.3 mm	Sheath diameter, min.	5.7 mm
Sheathing colour	green (RAL 6018)	Shielding	SF/UTP
Shielding braid thickness	0.1 mm	Standard designations	LI02YS(ST)C11Y 4x2x0.15-100 GN NC, SF/UTP
Strands	7	Wire material	Stranded tin-plated copper wire

## Electrical properties of cable

Capacity at 1 kHz	47 nF/km	Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	25 ns/100m
Loop resistance	290 Ω/km	Signal propagation time	4.85 ns/m
Test voltage: wire-wire-shield	1000 V <sub>rms</sub> , 50 Hz, 1 min		

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## Mechanical and material properties of cable

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

## 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 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	EC002599
ECLASS 9.0	27-06-03-08	ECLASS 9.1	27-06-03-08
ECLASS 10.0	27-06-03-08	ECLASS 11.0	27-06-03-08
ECLASS 12.0	27-06-03-08	ECLASS 13.0	27-06-03-08

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

## Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E316369

## Downloads

Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">PI PROFINET CABLING EN</a>

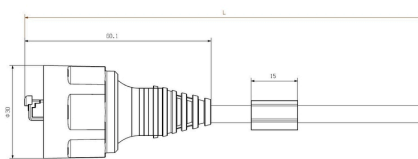
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# Drawings

## 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	