

## IE-C5ES8UG0050P41P41-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 plastic, RJ45 IP 67 Baymo V01 plastic, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 5 m
Order No.	<a href="#">1106030000</a>
Type	IE-C5ES8UG0050P41P41-E
GTIN (EAN)	4032248881505
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	5 m	Length (inches)	196.8504 inch
Net weight	228 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
REACH SVHC	Lead 7439-92-1, 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1
SCIP	67cf1078-beca-4687-860b-dc475a6ec24a

## 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 60603-7-51	Certificate no. (cULus)	E316369
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## Standards

Connector standard	IEC 61076-3-106 Var. 1, IEC 60603-7-51	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, Plastic, shielded
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## Plug, right

Plug right	RJ45, IP67, male contact, straight, V01 Baymo, plug, Plastic, 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	

**Blank**



TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

- Easy handling of separation and installation thanks to the project marker field.
- Acknowledged and accredited marker for traffic engineering applications
- Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
- Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

Type	TM-I 12 MC NE WS	Version
Order No.	<a href="#">1718411044</a>	TM-I, Insert markers, 12 x 4 mm, white
GTIN (EAN)	4008190348977	
Qty.	320 ST	
Type	TM-I 18 MC NE WS	Version
Order No.	<a href="#">1718431044</a>	TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white
GTIN (EAN)	4008190349011	
Qty.	320 ST	