

**Industrial Ethernet  
IE-C5ES8UG0020P41P41-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



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

**General ordering data**

Type	IE-C5ES8UG0020P41P41-E
Order No.	<a href="#">1106020000</a>
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, 2 m
GTIN (EAN)	4032248881291
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Length	2 m	Net weight	144 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 61076-3-106 Var. 1, IEC 60603-7-51	Standard, assembly	UL-Style 20963 (80°C/30V)

### Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	LI02YS(ST)C11Y 4x2x0.15-100 GN NC, SF/UTP
Strands	7	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>
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	halogen-free, according to IEC 60754-2
Corrosiveness of fumes	to IEC 60754-2		

### plug

Version connector left	RJ45 IP 67 Baymo V01 plastic	Version connector right	RJ45 IP 67 Baymo V01 plastic
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**Classifications**

ETIM 3.0	EC001262	UNSPSC	26-12-16-06
eClass 5.1	27-06-18-02	eClass 6.2	27-06-03-90
eClass 7.1	27-06-03-90		

**Approvals**

Approvals



ROHS Conform

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**Zeichnungen****Wiring**

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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	

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