

**Industrial Ethernet  
IE-C5ES8UG0005M40M40-G**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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Assembled cables, patch cable Cabinet Line, Cat. 5, PUR, green

**General ordering data**

Type	IE-C5ES8UG0005M40M40-G
Order No.	<a href="#">116600005</a>
Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801), PUR, 0.5 m
GTIN (EAN)	4032248956524
Qty.	1 pc(s).

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**Technical data**
**Dimensions and weights**

Length	0.5 m	Length (inches)	0.02 inch
Net weight	36 g	Insulation cross-section	0.98 mm

**Temperatures**

Operating temperature, max.	75 °C	Operating temperature, min.	-40 °C
Operating temperature	-40 °C...75 °C	Storage temperature	
Installation temperature	-10 °C...60 °C		

**Electrical properties**

PoE / PoE+	conforming to IEEE 802.3at		
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**Standards**

Fire safety for railway vehicles	According to DIN 5510-2 fire safety levels 1,2,3,4	Corrosiveness of fumes	DIN EN 50267-2-3, IEC 60754-2
Connector standard	IEC 60603-7-5 1		

**Cable structure**

Wire material	Stranded tin-plated copper wire	Strands	7
Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>	Insulation	PE
Insulation cross-section	0.98 mm	No. of wires	8
Arrangement of wire cores	Twisted pair	Wire pair shielding	Aluminium foil
Colour sequence or wires - wire pairs	white/blue - blue, white/orange - orange, white/green - green, white/green - brown	Shielding	SF/UTP
Complete shielding	Shielding braid made from copper wiring	Material sheath	PUR
Sheath diameter, min.	5.6 mm	Sheath diameter, max.	6 mm
Sheathing colour	green (RAL 6018)		

**Electrical properties of cable**

Category	Cat.5 (ISO/IEC 11801)	Test voltage: wire-wire-shield	750 V DC, 1 min
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**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	EN 50305	Silicone-free	Yes
Halogen	halogen-free, according to IEC 60754-2	Corrosiveness of fumes	DIN EN 50267-2-3, IEC 60754-2

**plug**

Connector left	RJ45 IP 20	Connector right	RJ45 IP 20
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**Data sheet****Industrial Ethernet  
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**Technical data****Classifications**

ETIM 4.0	EC001262	ETIM 5.0	EC001262
ETIM 6.0	EC002599	eClass 6.2	27-06-03-90
eClass 7.1	27-06-18-01	eClass 8.1	27-06-18-01
eClass 9.0	27-06-18-01	eClass 9.1	27-06-03-08

**Approvals**

ROHS	Conform
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**Data sheet**

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**Drawings**

**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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