

**Industrial Ethernet
IE-C5ES8UG0010M40M40-G**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Assembled cables, patch cable Cabinet Line, Cat. 5, PUR,
green

General ordering data

Type	IE-C5ES8UG0010M40M40-G
Order No.	1166000010
Version	System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801), PUR, 1 m
GTIN (EAN)	4032248956531
Qty.	1 pc(s).

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Technical data
Dimensions and weights

Length	1 m	Length (inches)	0.039 inch
Net weight	53 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 ²	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/ brown - 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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Drawings

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	
