

**Industrial Ethernet  
IE-C5DHAG-MW**

**Weidmüller Interface GmbH & Co. KG**  
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Bulk stock, copper cable, hybrid, flexible, 6 x 0.5 mm<sup>2</sup> + 4  
x AWG 22/7

**General ordering data**

Type	IE-C5DHAG-MW
Order No.	<a href="#">1172250000</a>
Version	Connecting line, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, Products sold by meter, from 110 m
GTIN (EAN)	4032248964543
Qty.	1 m

Creation date August 18, 2020 7:31:32 AM CEST

Catalogue status 14.08.2020 / We reserve the right to make technical changes.

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## Technical data

### Dimensions and weights

Net weight	40 g	Insulation cross-section	1.5 mm
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### Temperatures

Operating temperature, max.	70 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	70 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...70 °C	Storage temperature	-40 °C...70 °C
Installation temperature	-20 °C...60 °C		

### Electrical properties

Insulation strength	500,000 Ω
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### Cable structure

Wire material	Stranded tin-plated copper wire	Standard designations	2YY(ST)CY 2x2x0,75/1,5-100 LI VZN GN
Strands	7	Cross-section	4*AWG 22/7 - 0.36 mm <sup>2</sup> , 6*0.5 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	1.5 mm
Number of wires	4	Arrangement of wire cores	Star-quad
Diameter of inner sheathing	3.9 mm	Filler	As central element
Shielding	SF/UTP	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Shielding braid thickness	0.13 mm	Overlap of shielding braid	85 %
Material sheath	PVC	Sheath diameter, max.	9.5 mm
Sheathing material thickness	0.9 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	2000 V <sub>eff</sub> , 50 Hz, 1 min
Characteristic impedance	100 ± 15 Ω at 1-100 MHz	Loop resistance	120 Ω/km
Transfer impedance	20 mΩ/m at 10 MHz	Insulation strength	500,000 Ω
Signal propagation time	5.3 ns/m		

### Mechanical and material properties of cable

Min. bending radius, once only	3.5 *diameter	Min. bending radius, repetitive	7.5 x cable diameter
Abrasion resistance	good	Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685
Resistance to oils	limited	Halogen	Yes

### Classifications

ETIM 6.0	EC001579	ETIM 7.0	EC001579
eClass 9.0	27-06-20-01	eClass 9.1	27-06-90-90
eClass 10.0	27-06-01-05		

### Approvals

ROHS	Conform
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**Technical data****Downloads**

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Brochure/Catalogue	<a href="#">CAT 9 IETH 18/19 EN</a> <a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a>
User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>

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**Data sheet**

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**Drawings**

**Detailed drawing**

