

**Industrial Ethernet
IE-C7BS8UG-MW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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www.weidmueller.com



Bulk stock, copper cable, rigid, 4 x 2 x AWG 23/1, Cat. 7,
green

General ordering data

Type	IE-C7BS8UG-MW
Order No.	8955350000
Version	Installation cable, Cat.7 (ISO/IEC 11801), PUR, Products sold by meter, from 110 m
GTIN (EAN)	4032248753185
Qty.	1 m

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Technical data

Dimensions and weights

Net weight	6 g	Insulation cross-section	1.4 mm
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Temperatures

Operating temperature, max.	80 °C	Operating temperature, min.	-40 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-40 °C...80 °C	Storage temperature	-40 °C...80 °C
Installation temperature	-15 °C...60 °C		

Cable specific standards

Corrosiveness of fumes	to IEC 60754-2	Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007
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Electrical properties

Insulation strength	5000 MΩ
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Cable structure

Wire material	Non-insulated copper wire	Standard designations	IE-7IC4x2xAWG23/1-PUR 02YSC11Y PIMF, S/FTP
Strands	1	Cross-section	4*2*AWG 23/1 - 4*2*0.255 mm ²
Insulation	PE	Insulation cross-section	1.4 mm
Number of wires	8	Arrangement of wire cores	Twisted pair
Wire pair shielding		Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Shielding	Aluminium foil	Complete shielding	Shielding braid made from copper wiring
	S/FTP	Material sheath	PUR
Shielding braid thickness	0.1 mm	Sheath diameter, max.	8.4 mm
Sheath diameter, min.	8 mm		
Sheathing colour	green (RAL 6018)		

Electrical properties of cable

Category	Cat.7 (ISO/IEC 11801)	Test voltage: wire-wire-shield	700 V AC
Characteristic impedance	100 ± 5 Ω at 100MHz	Loop resistance	150 Ω/km
Deviation	5 ns/100m	Insulation strength	5000 MΩ
Capacity at 1 kHz	45 nF/km	Signal propagation time	4.25 ns/m

Mechanical and material properties of cable

Colour	green	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 x cable 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

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Classifications

ETIM 6.0	EC000830	ETIM 7.0	EC003249
eClass 9.0	27-06-18-05	eClass 9.1	27-06-90-90
eClass 10.0	27-06-18-01	UNSPSC	26-12-16-06

Approvals

ROHS	Conform
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Downloads

Brochure/Catalogue	CAT 9 IETH 18/19 EN FL FIELDWIRING EN PI PROFINET CABLING EN
User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN

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Drawings

Detailed drawing

