

## IE-C7BS8VG-MW

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



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

### General ordering data

Version	Installation cable, Cat.7 (ISO/IEC 11801), PVC, Products sold by meter, from 110 m
Order No.	<a href="#">8955360000</a>
Type	IE-C7BS8VG-MW
GTIN (EAN)	4032248753192
Qty.	1 M
Delivery status	Discontinued
Available until	2020-10-31T00:00:00+01:00

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## Technical data

### Approvals

ROHS	Conform
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### Dimensions and weights

Net weight	6.5 g
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### Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...80 °C
Installation temperature	0 °C...50 °C		

### Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

### Technical specifications for cable

Sheathing colour	green (RAL 6018)	Number of wires	8
Insulation	PE	Resistance to spread of flame	in accordance with IEC 60332-1
Test voltage: wire-wire-shield	700 V AC	Number of poles	8

### Cable specific standards

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

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### Cable structure

Strands	1	Sheathing colour	green (RAL 6018)
Standard designations	IE-7IC4x2xAWG23/1-PVC 02YSCY PIMF, S/FTP	Cross-section	4*2*AWG 23/1 - 4*2*0.255 mm <sup>2</sup>
Shielding	S/FTP	Number of wires	8
Insulation	PE	Sheath diameter, max.	8 mm
Sheath diameter, min.	7.6 mm	Material sheath	PVC
Wire pair shielding	Aluminium foil	Arrangement of wire cores	Twisted pair
Complete shielding	Shielding braid made from copper wiring	Wire material	Non-insulated copper wire
Sheathing material thickness	0.8 mm	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Shielding braid thickness	0.1 mm		

### Electrical properties of cable

Category	Cat.7 (ISO/IEC 11801)	Capacity at 1 kHz	45 nF/km
Loop resistance	150 Ω/km	Signal propagation time	4.5 ns/m

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Test voltage: wire-wire-shield	700 V AC	Shield attenuation	85 dB at 600 Mhz
Delay skew	5 ns/100m	Transfer impedance	6 mΩ/m at 1 MHz, 3 mΩ/m at 10 MHz, 3 mΩ/m at 30 MHz
Characteristic impedence	100 ± 5 Ω at 100MHz		

### Mechanical and material properties of cable

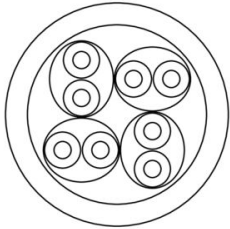
Silicone-free	Yes	UV-resistant	Yes
Pulling force	120 N	Colour	green
Min. bending radius, repetitive	8 x cable diameter	Min. bending radius, once only	4 x cable diameter
Abrasion resistance	good	Resistance to spread of flame	in accordance with IEC 60332-1
Corrosiveness of fumes	to IEC 60754-2		

### Classifications

ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	EC003249	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

**Drawings**

**Detailed drawing**



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**Accessories**

**Tools**



Sheathing stripper for PVC cables

**General ordering data**

Type	AM 12	Version	
Order No.	<a href="#">9030060000</a>	Tools, Sheathing strippers	
GTIN (EAN)	4008190337827		
Qty.	1 ST		
Type	IE-CST	Version	
Order No.	<a href="#">9204350000</a>	Tools, Sheathing strippers	
GTIN (EAN)	4032248653072		
Qty.	1 ST		