

**IE-C7BS8UG-100****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), PUR, 100 m
Order No.	<a href="#">8813140000</a>
Type	IE-C7BS8UG-100
GTIN (EAN)	4032248512898
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Length	100 m	Length (inches)	3,937.008 inch
Net weight	6,174 g		

## Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...75 °C
Installation temperature	-20 °C...60 °C		

## Technical specifications for cable

Halogen	halogen-free, according to IEC 60754-2	Insulation	PE
Number of poles	8	Number of wires	8
Resistance to oils	in accordance with IEC 60811-2-1	Resistance to spread of flame	in accordance with IEC 60332-1
Sheathing colour	green (RAL 6018)	Test voltage: wire-wire-shield	700 V AC

## 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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## Cable structure

Arrangement of wire cores		Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
	Twisted pair		
Complete shielding	Shielding braid made from copper wiring	Cross-section	4*2*AWG 23/1 - 4*2*0.255 mm <sup>2</sup>
Insulation	PE	Insulation cross-section	1.4 mm
Material sheath	PUR	Number of wires	8
Sheath diameter, max.	8 mm	Sheath diameter, min.	7.6 mm
Sheathing colour	green (RAL 6018)	Sheathing material thickness	0.8 mm
Shielding	S/FTP	Shielding braid thickness	0.1 mm
Standard designations	IE-7IC4x2xAWG23/1-PUR 02YSC11Y PIMF, S/FTP	Strands	1
Wire material	Non-insulated copper wire	Wire pair shielding	Aluminium foil

## Electrical properties of cable

Capacity at 1 kHz	45 nF/km	Category	Cat.7 (ISO/IEC 11801)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	5 ns/100m
Loop resistance	150 Ω/km	Shield attenuation	85 dB at 600 Mhz
Signal propagation time	4.25 ns/m	Test voltage: wire-wire-shield	700 V AC
Transfer impedance	6 mΩ/m at 1 MHz, 3 mΩ/m at 10 MHz, 3 mΩ/m at 30 MHz		

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**Technical data****Mechanical and material properties of cable**

Abrasion resistance	very good	Colour	green
Corrosiveness of fumes	to IEC 60754-2	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, once only	4 x cable diameter	Min. bending radius, repetitive	8 x cable diameter
Pulling force	120 N	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1	Silicone-free	Yes
UV-resistant	Yes		

**Classifications**

ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	EC003249	ETIM 9.0	EC003249
ECLASS 9.0	27-06-18-05	ECLASS 9.1	27-06-90-90
ECLASS 10.0	27-06-18-01	ECLASS 11.0	27-06-18-01
ECLASS 12.0	27-06-18-01	ECLASS 13.0	27-06-18-01

**Approvals**

Approvals



ROHS

Conform

**Downloads**

User Documentation	<a href="#">MAN IE GUIDE DE</a> <a href="#">MAN IE GUIDE EN</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	<a href="#">FL FIELDWIRING EN</a> <a href="#">PI PROFINET CABLING EN</a> <a href="#">PI PROFINET CABLING EN</a>

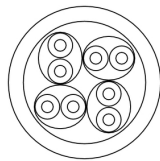
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# Drawings

## Detailed drawing



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Tools**

The CST with blue blade cartridge produces the best stripping results. The blue double-stage blade cartridge is particularly suited for Ethernet cables. It saves time and also ensures optimal stripping results.

**General ordering data**

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

**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 pc(s).	