

IE-C7BS8VG-500**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 500 m
Order No.	2763540000
Type	IE-C7BS8VG-500
GTIN (EAN)	4064675031031
Qty.	1 pc(s).

Creation date July 9, 2025 10:55:19 AM CEST

Catalogue status 04.07.2025 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Length	500 m	Length (inches)	19,685.039 inch
Net weight	18,500 g		

Temperatures

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

Technical specifications for cable

Insulation	PE	Number of poles	8
Number of wires	8	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	EN 50173-1:2007, ISO / IEC 11801:2002
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Standards

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

Arrangement of wire cores	Twisted pair	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown
Complete shielding	Shielding braid made from copper wiring	Cross-section	4*2*AWG 23/1 - 4*2*0.255 mm ²
Insulation	PE	Insulation cross-section	1.4 mm
Material sheath	PVC	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-PVC/02YSCY 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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www.weidmueller.com**Technical data****Mechanical and material properties of cable**

Abrasion resistance	good	Colour	green
Corrosiveness of fumes	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 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
ETIM 10.0	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	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

Approvals

Approvals



Approvals MAMID

https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/

ROHS

Conform

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Downloads

Catalogues

[Catalogues in PDF-format](#)

Data sheet

IE-C7BS8VG-500

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Drawings

Detailed drawing

