

IE-C7BS8VG-100

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, 100 m
Order No.	8813130000
Type	IE-C7BS8VG-100
GTIN (EAN)	4032248512881
Qty.	1 items
Packaging	as cable ring in carton

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Length	100 m	Length (inches)	3937.0079 inch
Net weight	6490 g		

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...75 °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)	Resistance to oils	No
Number of wires	8	Shielded	Yes
Halogen	yes (PVC cable)	Insulation	PE
Resistance to spread of flame	in accordance with IEC 60332-1, EN 13501-6 class FCa	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
Impervious to smoke	No		

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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 ²
Shielding	S/FTP	Number of wires	8
Insulation cross-section	1.4 mm	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

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Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown	Shielding braid thickness	0.1 mm
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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	4.25 ns/m
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

Resistance to oils	No	Silicone-free	Yes
UV-resistant	Yes	Pulling force	120 N
Colour	green	Halogen	yes (PVC cable)
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, EN 13501-6 class FCa
Corrosiveness of fumes	to IEC 60754-2	Impervious to smoke	No

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

