

IE-C5CS8VG-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 24/1, Cat. 5,
green

General ordering data

Version	Installation cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
Order No.	8813150000
Type	IE-C5CS8VG-100
GTIN (EAN)	4032248512904
Qty.	1 pc(s).
Packaging	as cable ring in carton

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Technical data

Dimensions and weights

Length	100 m	Length (inches)	3,937.008 inch
Net weight	4,720 g		

Temperatures

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

Technical specifications for cable

Insulation	PE	Number of poles	8
Number of wires		Resistance to spread of flame	in accordance with IEC 60332-1, EN 13501-6 class ECa
	8		
Sheathing colour	green (RAL 6018)	Test voltage: wire-wire-shield	700 V AC

Cable structure

Arrangement of wire cores		Colour sequence or wires - wire pairs	white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown
	Twisted pair		
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Cross-section	4*2*AWG 24/1 - 4*2*0.205 mm ²
Insulation	PE	Insulation cross-section	1.04 mm
Material sheath	PVC	Number of wires	8
Overlap of shielding braid	65 %	Sheath diameter, max.	6.7 mm
Sheath diameter, min.	6.3 mm	Sheathing colour	green (RAL 6018)
Sheathing material thickness	0.5 mm	Shielding	SF/UTP
Shielding braid thickness		Standard designations	IE-5CC4x2xAWG26/7- PVC LI02YS(ST)CY, SF/ UTP
	0.1 mm		
Strands	1	Wire core insulation thickness	0.25 mm
Wire material	Non-insulated copper wire		

Electrical properties of cable

Capacity at 1 kHz	50 nF/km	Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Characteristic impedance	100 ± 5 Ω at 100MHz	Delay skew	15 ns/100m
Loop resistance	190 Ω/km	Resistance differential	3 %
Shield attenuation	65 dB at 100 Mhz	Signal propagation time	4.5 ns/m
Test voltage: wire-wire-shield		Transfer impedance	20 mΩ/m at 1MHz, 10 mΩ/m at 10 MHz, 10 mΩ/m at 30Mhz
	700 V AC		

Mechanical and material properties of cable

Abrasion resistance	good	Colour	green
Fire propagation	No	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive		Resistance to spread of flame	in accordance with IEC 60332-1, EN 13501-6 class ECa
	10 x cable diameter		

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www.weidmueller.com**Technical data****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

ROHS	Conform
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Downloads

User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN

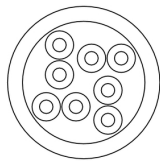
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Drawings

Detailed drawing



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www.weidmueller.com**Accessories****Tools**

Sheathing stripper for PVC cables

**General ordering data**

Type	AM 12	Version
Order No.	9030060000	Tools, Sheathing strippers
GTIN (EAN)	4008190337827	
Qty.	1 pc(s).	

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.	9204350000	Tools, Sheathing strippers
GTIN (EAN)	4032248653072	
Qty.	1 pc(s).	