

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 items
Packaging	as cable ring in carton

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Length	100 m	Length (inches)	3937.0079 inch
Net weight	4720 g		

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 without exemption
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 ECa	Test voltage: wire-wire-shield	700 V AC
Number of poles	8		

Cable specific standards

Impervious to smoke	No
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Standards

Impervious to smoke	No
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Cable structure

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

Technical data

Electrical properties of cable

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

Mechanical and material properties of cable

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

