

IE-C5CS8UG-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), PUR, 100 m
Order No.	8813160000
Type	IE-C5CS8UG-100
GTIN (EAN)	4032248513017
Qty.	1 items
Packaging	as cable ring in carton

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Technical data

Approvals

ROHS Conform

Dimensions and weights

Length	100 m	Length (inches)	3937.0079 inch
Net weight	4544 g		

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...75 °C
Installation temperature	-20 °C...60 °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	in accordance with IEC 60811-2-1
Number of wires	8	Shielded	Yes
Halogen	halogen-free, according to IEC 60754-2	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	Impervious to smoke	No
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Standards

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Cable structure

Strands	1	Sheathing colour	green (RAL 6018)
Standard designations	IE-5IC4x2xAWG24/1-PUR 02YS(ST)C11Y, 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	PUR	Arrangement of wire cores	Twisted pair
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Wire material	Non-insulated copper wire
Sheathing material thickness	0.5 mm	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown

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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	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	in accordance with IEC 60811-2-1	UV-resistant	No
Colour	green	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, repetitive	10 x cable diameter	Min. bending radius, once only	5 x cable diameter
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1, EN 13501-6 class FCa
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

