

IE-C5CS8UG-MW**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, Products sold by meter, from 110 m
Order No.	8944310000
Type	IE-C5CS8UG-MW
GTIN (EAN)	4032248732272
Qty.	1 m
Delivery status	This article will no longer be available in the future.
Available until	2020-10-31

Creation date March 29, 2021 11:50:46 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

Net weight	50.2 g
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Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...80 °C
Installation temperature	-15 °C...60 °C		

Technical specifications for cable

Halogen	halogen-free, according to IEC 60754-2	Insulation	PE
Number of wires	8	Resistance to oils	in accordance with IEC 60811-2-1
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

Generic communication cable facilities	EN 50173-1:2007, ISO / IEC 11801:2002
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Electrical properties

Insulation strength	5000 MΩ
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Standards

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	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 mm
Material sheath	PUR	Number of wires	8
Sheath diameter, max.	6.7 mm	Sheath diameter, min.	6.3 mm
Sheathing colour	green (RAL 6018)	Shielding	SF/UTP
Standard designations	IE-5IC4x2xAWG24/1-PUR 02YS(ST)C11Y, SF/UTP	Strands	1
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	Deviation	15 ns/100m
Insulation strength	5000 MΩ	Loop resistance	190 Ω/km
Signal propagation time	4.5 ns/m	Test voltage: wire-wire-shield	700 V AC
Transfer impedance	10 mΩ/m at 10 MHz		

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Technical data**Mechanical and material properties of cable**

Abrasion resistance	very good	Colour	green
Halogen	halogen-free, according to IEC 60754-2	Min. bending radius, once only	5 x cable diameter
Min. bending radius, repetitive	10 x cable diameter	Resistance to oils	in accordance with IEC 60811-2-1
Resistance to spread of flame	in accordance with IEC 60332-1		

Classifications

ETIM 6.0	EC000830	ETIM 7.0	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

Approvals

ROHS	Conform
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Downloads

User Documentation	MAN IE GUIDE DE MAN IE GUIDE EN
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Drawings

Detailed drawing

