

IE-C5ES8UG-100

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



Bulk stock, copper cable, flexible, 4 x 2 x AWG 26/7, Cat. 5, green

General ordering data

Version	System cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m
Order No.	8813200000
Type	IE-C5ES8UG-100
GTIN (EAN)	4032248513055
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	3882 g		

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...75 °C
Installation temperature	-10 °C...60 °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	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	Test voltage: wire-wire-shield	1000 Vrms, 50 Hz, 1 min
Number of poles	8		

Cable specific standards

Standard, assembly	UL-Style 20963 (80°C/30V)	Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007
Corrosiveness of fumes	to IEC 60754-2	Impervious to smoke	No

Standards

Standard, assembly	UL-Style 20963 (80°C/30V)	Generic communication cable facilities	ISO / IEC 11801:2002, EN 50173-1:2007
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Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	SF/UTP, IE-5CC4x2xAWG26/7-PUR LI02YS(ST)C11Y (UL) AWM 20963 80°C 30V	Cross-section	4*2*AWG 26/7 - 4*2*0.128 mm ²
Shielding	SF/UTP	Number of wires	8
Insulation cross-section	1 mm	Insulation	PE
Sheath diameter, max.	6.3 mm	Sheath diameter, min.	5.7 mm
Material sheath	PUR	Arrangement of wire cores	Twisted pair
Complete shielding	Aluminium foil, Shielding braid made from copper wiring	Overlap of shielding braid	65 %
Wire material	Stranded tin-plated copper wire	Colour sequence or wires - wire pairs	white - blue, white - orange, white - green, white - brown

Technical data

Shielding braid thickness 0.1 mm

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Capacity at 1 kHz	47 nF/km
Loop resistance	290 Ω/km	Signal propagation time	4.85 ns/m
Test voltage: wire-wire-shield	1000 Vrms, 50 Hz, 1 min	Delay skew	25 ns/100m
Characteristic impedance	100 ± 5 Ω at 100MHz		

Mechanical and material properties of cable

Resistance to oils	in accordance with IEC 60811-2-1	Silicone-free	Yes
UV-resistant	Yes	Halogen	halogen-free, according to IEC 60754-2
Min. bending radius, repetitive	10 x cable diameter	Min. bending radius, once only	4 x cable diameter
Abrasion resistance	very good	Resistance to spread of flame	in accordance with IEC 60332-1
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

