

IE-C5ES8VG-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), PVC, 100 m
Order No.	8813190000
Type	IE-C5ES8VG-100
GTIN (EAN)	4032248513048
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	44.08 g		

Temperatures

Storage temperature	-40 °C...75 °C	Operating temperature	-40 °C...75 °C
Installation temperature	0 °C...50 °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	No
Number of wires	8	Shielded	Yes
Halogen	yes (PVC cable)	Insulation	PE
Resistance to spread of flame	in accordance with IEC 60332-1	Test voltage: wire-wire-shield	700 V AC
Number of poles	8		

Cable specific standards

Impervious to smoke No

Standards

Impervious to smoke No

Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	SF/UTP, IE-5CC4x2xAWG26/7-PVC LI02YS(ST)CY	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.	6.1 mm	Sheath diameter, min.	5.7 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
Diameter of wire pair	2.00 mm	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
Shielding braid thickness	0.1 mm		

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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	700 V AC	Resistance differential	3 %
Delay skew	25 ns/100m	Transfer impedance	10 mΩ/m at 10 MHz
Characteristic impedance	100 ± 5 Ω at 100MHz		

Mechanical and material properties of cable

Resistance to oils	No	UV-resistant	No
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	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

