

IE-C5DHAG-100

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Bulk stock, copper cable, hybrid, flexible, 6 x 0.5 mm² +
4 x AWG 22/7

General ordering data

Version	System cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m
Order No.	2763660000
Type	IE-C5DHAG-100
GTIN (EAN)	4064675030942
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	10000 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-30 °C...75 °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	limited
Number of wires	10	Shielded	Yes
Halogen	Yes	Insulation	PE
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685	Test voltage: wire-wire-shield	700 V AC

Cable specific standards

Impervious to smoke	No
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Standards

Impervious to smoke	No
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Cable structure

Strands	7	Sheathing colour	green (RAL 6018)
Standard designations	2YY(ST)CY 2x2x0,75/1,5-100 LI VZN GN	Cross-section	4*AWG 22/7 - 0.32 mm ² , 6*0.5 mm ²
Shielding	SF/UTP	Number of wires	10
Insulation cross-section	1.6 mm	Insulation	PE
Sheath diameter, max.	9.8 mm	Sheath diameter, min.	9.2 mm
Material sheath	PVC	Filler	As central element
Arrangement of wire cores	Star-quad	Complete shielding	Aluminium foil, Shielding braid made from copper wiring
Overlap of shielding braid	85 %	Wire material	Stranded tin-plated copper wire
Tensile force, max.	200 N	Shielding braid thickness	0.1 mm
Insulation diameter 2	1.75 mm		

Electrical properties of cable

Insulation resistance	500 MΩ	Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)
Operating voltage	125 V max.	Loop resistance	120 Ω/km

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Signal propagation time	5.1 ns/m	Test voltage: wire-wire-shield	700 V AC
Operating voltage, UL	600 V	Shield attenuation	85 db at 100 MHz
Delay skew	25 ns/100m	Transfer impedance	50 mΩ/m at 1 MHz, 50 mΩ/m at 10 MHz, 80 mΩ/m at 30 MHz
Characteristic impedance	100 ± 15 Ω at 1–100 MHz		

Mechanical and material properties of cable

Resistance to oils	limited	UV-resistant	No
Colour	green (RAL 6018)	Halogen	Yes
Min. bending radius, once only	10 x cable diameter	Abrasion resistance	good
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685	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

