

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 pc(s).
Packaging	as cable ring in carton

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Technical data

Dimensions and weights

Length	100 m	Length (inches)	3,937.008 inch
Net weight	10,000 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-30 °C...75 °C
Installation temperature	0 °C...50 °C		

Technical specifications for cable

Halogen	Yes	Insulation	PE
Number of wires	10	Resistance to oils	limited
Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685	Sheathing colour	green (RAL 6018)
Shielded	Yes	Test voltage: wire-wire-shield	700 V AC

Cable structure

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

Electrical properties of cable

Category	Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B)	Characteristic impedance	100 ± 15 Ω at 1–100 MHz
Delay skew	25 ns/100m	Insulation strength	500 MΩ
Loop resistance	120 Ω/km	Operating voltage	125 V max.
Operating voltage, UL	600 V	Shield attenuation	85 db at 100 MHz
Signal propagation time	5.1 ns/m	Test voltage: wire-wire-shield	700 V AC
Transfer impedance	50 mΩ/m at 1 MHz, 50 mΩ/m at 10 MHz, 80 mΩ/m at 30 Mhz		

Mechanical and material properties of cable

Abrasion resistance	good	Colour	green (RAL 6018)
Halogen	Yes	Min. bending radius, once only	10 x cable diameter
Resistance to oils	limited	Resistance to spread of flame	in accordance with IEC 60332-1 / UL 1685

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ETIM 6.0	EC000830	ETIM 7.0	EC003249
ETIM 8.0	EC003249	ETIM 9.0	EC003249
ETIM 10.0	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	ECLASS 12.0	27-06-18-01
ECLASS 13.0	27-06-18-01	ECLASS 14.0	27-06-18-01
ECLASS 15.0	27-06-18-01		

Approvals

ROHS	Conform
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Downloads

Catalogues	Catalogues in PDF-format
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Drawings

Detailed drawing

