

IE-C5DHAG-500**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, 500 m |
| Order No. | 2763460000 |
| Type | IE-C5DHAG-500 |
| GTIN (EAN) | 4064675030959 |
| Qty. | 1 pc(s). |
| Packaging | on plywood reel |

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|-----------------|
| Length | 500 m | Length (inches) | 19,685.039 inch |
| Net weight | 31,500 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 |
| 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 |
| 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 | | |

Environmental Product Compliance

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

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|------------|--|
| Catalogues | Catalogues in PDF-format |
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Drawings

Detailed drawing

