

IE-C5CS8VG-100**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Bulk stock, copper cable, rigid, 4 x 2 x AWG 24/1, Cat. 5,
green

General ordering data

| | |
|------------|-----------------------------------------------------------------------------|
| Version | Installation cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 100 m |
| Order No. | 8813150000 |
| Type | IE-C5CS8VG-100 |
| GTIN (EAN) | 4032248512904 |
| 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 | 4,720 g | | |

Temperatures

| | | | |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...75 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | 0 °C...50 °C | | |

Technical specifications for cable

| | | | |
|------------------|------------------|--------------------------------|------------------------------------------------------|
| Insulation | PE | Number of poles | 8 |
| Number of wires | | Resistance to spread of flame | in accordance with IEC 60332-1, EN 13501-6 class ECa |
| | 8 | | |
| Sheathing colour | green (RAL 6018) | Test voltage: wire-wire-shield | 700 V AC |

Cable structure

| | | | |
|------------------------------|---------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------|
| Arrangement of wire cores | | Colour sequence or wires - wire pairs | white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown |
| | Twisted pair | | |
| Complete shielding | Aluminium foil, Shielding braid made from copper wiring | Cross-section | 4*2*AWG 24/1 - 4*2*0.205 mm ² |
| Insulation | PE | Insulation cross-section | 1.04 mm |
| Material sheath | PVC | Number of wires | 8 |
| Overlap of shielding braid | 65 % | Sheath diameter, max. | 6.7 mm |
| Sheath diameter, min. | 6.3 mm | Sheathing colour | green (RAL 6018) |
| Sheathing material thickness | 0.5 mm | Shielding | SF/UTP |
| Shielding braid thickness | | Standard designations | IE-5CC4x2xAWG26/7- PVC LI02YS(ST)CY, SF/ UTP |
| | 0.1 mm | | |
| Strands | 1 | Wire core insulation thickness | 0.25 mm |
| Wire material | Non-insulated copper wire | | |

Electrical properties of cable

| | | | |
|--------------------------------|---------------------|-------------------------|------------------------------------------------------------|
| Capacity at 1 kHz | 50 nF/km | Category | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | Delay skew | 15 ns/100m |
| Loop resistance | 190 Ω/km | Resistance differential | 3 % |
| Shield attenuation | 65 dB at 100 Mhz | Signal propagation time | 4.5 ns/m |
| Test voltage: wire-wire-shield | | Transfer impedance | 20 mΩ/m at 1MHz, 10 mΩ/m at 10 MHz, 10 mΩ/m at 30Mhz |
| | 700 V AC | | |

Mechanical and material properties of cable

| | | | |
|---------------------------------|---------------------|--------------------------------|------------------------------------------------------|
| Abrasion resistance | good | Colour | green |
| Fire propagation | No | Min. bending radius, once only | 5 x cable diameter |
| Min. bending radius, repetitive | | Resistance to spread of flame | in accordance with IEC 60332-1, EN 13501-6 class ECa |
| | 10 x cable diameter | | |

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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 |

Approvals

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

Downloads

| | |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN PI PROFINET CABLING EN PI PROFINET CABLING EN |

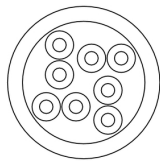
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Drawings

Detailed drawing



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www.weidmueller.com**Accessories****Tools**

Sheathing stripper for PVC cables

**General ordering data**

| | | |
|------------|----------------------------|----------------------------|
| Type | AM 12 | Version |
| Order No. | 9030060000 | Tools, Sheathing strippers |
| GTIN (EAN) | 4008190337827 | |
| Qty. | 1 pc(s). | |

Tools

The CST with blue blade cartridge produces the best stripping results.
The blue double-stage blade cartridge is particularly suited for Ethernet cables. It saves time and also ensures optimal stripping results.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | IE-CST | Version |
| Order No. | 9204350000 | Tools, Sheathing strippers |
| GTIN (EAN) | 4032248653072 | |
| Qty. | 1 pc(s). | |