

**Industrial Ethernet
IE-C7ES8VG-MW**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Bulk stock, copper cable, flexible, Cat. 7

General ordering data

| | |
|------------|---|
| Type | IE-C7ES8VG-MW |
| Order No. | 8955480000 |
| Version | System cable, Cat.7 (ISO/IEC 11801), PVC, Products sold by meter, from 110 m |
| GTIN (EAN) | 4032248753413 |
| Qty. | 1 m |

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Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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Technical data
Dimensions and weights

| | | | |
|------------|---------|--------------------------|---------|
| Net weight | 50.83 g | Insulation cross-section | 0.98 mm |
|------------|---------|--------------------------|---------|

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Operating temperature, max. | 80 °C | Operating temperature, min. | -40 °C |
| Storage temperature, max. | 80 °C | Storage temperature, min. | -40 °C |
| Operating temperature | -40 °C...80 °C | Storage temperature | -40 °C...80 °C |
| Installation temperature | -15 °C...60 °C | | |

Cable specific standards

| | | | |
|--|---|------------------------------|--------------------------|
| Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 | Standard, assembly | UL-Style 2879 (80°C/30V) |
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Standard, wire material | DIN EN 13602 Cu-ETP-A | | |

Electrical properties

| | |
|---------------------|---------|
| Insulation strength | 5000 MΩ |
|---------------------|---------|

Cable structure

| | | | |
|--------------------------------|---------------------------------|---------------------------------------|--|
| Wire material | Stranded tin-plated copper wire | Standard designations | S/FTP, IE-7CC4x2xAWG26/7- PVC LI02YSCY PIMF E130266 (UL) AWM STYLE 2879 80°C 30V |
| Strands | 7 | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Insulation | PE | Insulation cross-section | 0.98 mm |
| Wire core insulation thickness | 0.25 mm | Number of wires | 8 |
| Arrangement of wire cores | Twisted pair | Diameter of wire pair | 2.4 mm |
| Wire pair shielding | Plastic foil, Aluminium foil | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| Shielding | S/FTP | Complete shielding | Shielding braid made from copper wiring |
| Shielding braid thickness | 0.1 mm | Overlap of shielding braid | 70 % |
| Material sheath | PVC | Sheath diameter, min. | 6.1 mm |
| Sheath diameter, max. | 6.7 mm | Sheathing material thickness | 0.5 mm |
| Sheathing colour | green (RAL 6018) | | |

Electrical properties of cable

| | | | |
|--------------------------|--|--------------------------------|---------------------|
| Category | Cat.7 (ISO/IEC 11801) | Test voltage: wire-wire-shield | 700 V AC |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | Loop resistance | 150 Ω/km |
| Deviation | 25 ns/100m | Resistance differential | 3 % |
| Transfer impedance | 15 mΩ/m at 1 MHz, 20 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz | Shield attenuation | 55 dB at 30-600 MHz |
| Insulation strength | 5000 MΩ | Capacity at 1 kHz | 48 nF/km |
| Signal propagation time | 5.13 ns/m | | |

Data sheet

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Technical data

Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------|---------------------------------|--------------------------------|
| Min. bending radius, once only | 5 x cable diameter | Min. bending radius, repetitive | 10 x cable diameter |
| Abrasion resistance | good | Resistance to spread of flame | in accordance with IEC 60332-1 |

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC000830 | ETIM 7.0 | EC003249 |
| eClass 9.0 | 27-06-18-05 | eClass 9.1 | 27-06-90-90 |
| eClass 10.0 | 27-06-18-01 | UNSPSC | 26-12-16-06 |

Approvals

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

Downloads

| | |
|--------------------|--|
| Brochure/Catalogue | CAT 9 IETH 18/19 EN FL FIELDWIRING EN PI PROFINET CABLING EN |
| Engineering Data | WSCAD |
| User Documentation | MAN IE GUIDE DE MAN IE GUIDE EN |

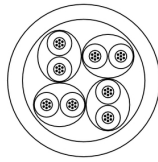
Data sheet

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Drawings

Detailed drawing



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Accessories**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, Coaxial data and round cables |
| GTIN (EAN) | 4032248653072 | |
| Qty. | 1 pc(s). | |

Tools

Sheathing stripper for PVC cables

**General ordering data**

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