

IE-C7ES8UG-100**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Bulk stock, copper cable, flexible, Cat. 7

General ordering data

| | |
|------------|---|
| Version | System cable, Cat.7 (ISO/IEC 11801), PUR, 100 m |
| Order No. | 8813180000 |
| Type | IE-C7ES8UG-100 |
| GTIN (EAN) | 4032248513031 |
| 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 | 4,300 g | | |

Temperatures

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

Technical specifications for cable

| | | | |
|-------------------------------|--|--------------------------------|----------------------------------|
| Halogen | halogen-free, according to IEC 60754-2 | Insulation | PE |
| Number of poles | 8 | Resistance to oils | in accordance with IEC 60811-2-1 |
| Resistance to spread of flame | in accordance with IEC 60332-1 | Sheathing colour | green (RAL 6018) |
| Shielded | Yes | Test voltage: wire-wire-shield | 700 V AC |

Cable specific standards

| | | | |
|------------------------|---------------------------|--|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2 | Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 |
| Standard, assembly | UL-Style 20963 (80°C/30V) | | |

Standards

| | | | |
|------------------------|---------------------------|--|---------------------------------------|
| Corrosiveness of fumes | to IEC 60754-2 | Generic communication cable facilities | EN 50173-1:2007, ISO / IEC 11801:2002 |
| Standard, assembly | UL-Style 20963 (80°C/30V) | | |

Cable structure

| | | | |
|---------------------------|---|---------------------------------------|--|
| Arrangement of wire cores | | Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown |
| | Twisted pair | | |
| Complete shielding | Shielding braid made from copper wiring | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Insulation | PE | Insulation cross-section | 1.04 mm |
| Material sheath | PUR | Sheath diameter, max. | 6.5 mm |
| Sheath diameter, min. | 6.1 mm | Sheathing colour | green (RAL 6018) |
| Shielding | S/FTP | Shielding braid thickness | 0.1 mm |
| Standard designations | IE-7CC4x2xAWG26/7-PUR LI02YSC11Y PIMF 26 AWG E197099 (UL) AWM STYLE 20963 80°C 30V, S/FTP | Strands | 7 |
| Wire material | Stranded tin-plated copper wire | Wire pair shielding | Aluminium foil |

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Electrical properties of cable

| | | | |
|--------------------------------|---------------------|-------------------------|--|
| Capacity at 1 kHz | 45 nF/km | Category | Cat. 7 (ISO/IEC 11801) |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | Delay skew | 3 ns/100m |
| Loop resistance | 290 Ω/km | Signal propagation time | 4.5 ns/m |
| Test voltage: wire-wire-shield | | Transfer impedance | 15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz |
| | 700 V AC | | |

Mechanical and material properties of cable

| | | | |
|---------------------------------|--|--------------------------------|--------------------------------|
| Abrasion resistance | very good | Corrosiveness of fumes | to IEC 60754-2 |
| Halogen | halogen-free, according to IEC 60754-2 | Min. bending radius, once only | 5 x cable diameter |
| Min. bending radius, repetitive | 10 x cable diameter | Pulling force | ≤ 100 N |
| Resistance to oils | in accordance with IEC 60811-2-1 | Resistance to spread of flame | in accordance with IEC 60332-1 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| 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 |

Environmental Product Compliance

REACH SVHC /

Approvals

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**

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). | |

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). | |