

IE-C7ES8VG-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), PVC, 100 m |
| Order No. | 8813170000 |
| Type | IE-C7ES8VG-100 |
| GTIN (EAN) | 4032248513024 |
| Qty. | 1 items |
| Packaging | as cable ring in carton |

IE-C7ES8VG-100

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|--------|-----------------|----------------|
| Length | 100 m | Length (inches) | 3937.0079 inch |
| Net weight | 4460 g | | |

Temperatures

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

Environmental Product Compliance

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

Technical specifications for cable

| | | | |
|-------------------------------|--------------------------------|--------------------------------|----------|
| Sheathing colour | green (RAL 6018) | Resistance to oils | No |
| Number of wires | 8 | Shielded | Yes |
| Halogen | yes (PVC cable) | Insulation | PE |
| Resistance to spread of flame | in accordance with IEC 60332-1 | Test voltage: wire-wire-shield | 700 V AC |
| Number of poles | 8 | | |

Cable specific standards

| | | | |
|--|---|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, wire material | DIN EN 13602 Cu-ETP-A |
| Standard, assembly | UL-Style 2879 (80°C/30V) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 | Impervious to smoke | No |

Standards

| | | | |
|--|---|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Standard, wire material | DIN EN 13602 Cu-ETP-A |
| Standard, assembly | UL-Style 2879 (80°C/30V) | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Generic communication cable facilities | ISO / IEC 11801:2002, EN 50173-1:2007 | Impervious to smoke | No |

Cable structure

| | | | |
|-----------------------|--|------------------|--|
| Strands | 7 | Sheathing colour | green (RAL 6018) |
| Standard designations | S/FTP, IE-7CC4x2xAWG26/7-PVC LI02YSCY PIMF | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |

IE-C7ES8VG-100

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

| | | | |
|---------------------------------------|--|--------------------------------|------------------------------|
| | E130266 (UL) AWM STYLE 2879 80°C 30V | | |
| Shielding | S/FTP | Number of wires | 8 |
| Insulation cross-section | 1.04 mm | Insulation | PE |
| Sheath diameter, max. | 6.5 mm | Sheath diameter, min. | 6.1 mm |
| Material sheath | PVC | Wire pair shielding | Plastic foil, Aluminium foil |
| Arrangement of wire cores | Twisted pair | Wire core insulation thickness | 0.25 mm |
| Complete shielding | Shielding braid made from copper wiring | Overlap of shielding braid | 70 % |
| Wire material | Stranded tin-plated copper wire | Sheathing material thickness | 0.5 mm |
| Colour sequence or wires - wire pairs | white - blue, white - orange, white - green, white - brown | Shielding braid thickness | 0.1 mm |

Electrical properties of cable

| | | | |
|--------------------------------|--|--------------------------|---------------------|
| Category | Cat.7 (ISO/IEC 11801) | Capacity at 1 kHz | 45 nF/km |
| Loop resistance | 290 Ω/km | Signal propagation time | 4.5 ns/m |
| Test voltage: wire-wire-shield | 700 V AC | Resistance differential | 3 % |
| Shield attenuation | 80 dB at 600 Mhz | Delay skew | 3 ns/100m |
| Transfer impedance | 15 mΩ/m at 1 MHz, 10 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz | Characteristic impedance | 100 ± 5 Ω at 100MHz |

Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------------------|---------------------------------|---------------------|
| Resistance to oils | No | UV-resistant | No |
| Halogen | yes (PVC cable) | Min. bending radius, repetitive | 10 x cable diameter |
| Min. bending radius, once only | 5 x cable diameter | Abrasion resistance | good |
| Resistance to spread of flame | in accordance with IEC 60332-1 | Impervious to smoke | No |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC003249 | ETIM 9.0 | EC003249 |
| ETIM 10.0 | EC003249 | ECLASS 14.0 | 27-06-18-01 |
| ECLASS 15.0 | 27-06-18-01 | | |

Drawings

Detailed drawing

