

IE-C5ES8VG0010M40M40-G

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

www.weidmueller.com



Assembled cables, patch cable Cabinet Line, Cat. 5, PVC, green

General ordering data

| | |
|------------|---|
| Version | System cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801), PVC, 1 m |
| Order No. | 1166020010 |
| Type | IE-C5ES8VG0010M40M40-G |
| GTIN (EAN) | 4032248956814 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

| | | | |
|------------|------|-----------------|--------------|
| Length | 1 m | Length (inches) | 39.3701 inch |
| Net weight | 55 g | | |

Temperatures

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

Environmental Product Compliance

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

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 | | |

Electrical properties

| | |
|------------|----------------------------|
| PoE / PoE+ | conforming to IEEE 802.3at |
|------------|----------------------------|

General standards

| | |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

Standards

| | | | |
|-------------------------------|---|--|---------------------------------------|
| Standard, insulating material | DIN EN 50290-2-23 (VDE 0819) Table 2/A (HD 624.3) | Connector standard | IEC 60603-7-51 |
| 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 |

Cable structure

| | | | |
|--------------------------|-----------------------------------|------------------|--|
| Strands | 7 | Sheathing colour | green (RAL 6018) |
| Standard designations | LI02YSCY 4X2X0.15 PIMF GN, SF/UTP | Cross-section | 4*2*AWG 26/7 - 4*2*0.128 mm ² |
| Shielding | SF/UTP | Number of wires | 8 |
| Insulation cross-section | 0.98 mm | Insulation | PE |

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| Sheath diameter, max. | 5.8 mm | Sheath diameter, min. | 5.4 mm |
| Material sheath | PVC | Wire pair shielding | Aluminium foil, Plastic foil |
| Arrangement of wire cores | Twisted pair | Wire core insulation thickness | 0.25 mm |
| Complete shielding | Shielding braid made from copper wiring | Diameter of wire pair | 2.40 mm |
| 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 - blue, white/ orange - orange, white/ green - green, white/ brown - brown |
| Shielding braid thickness | 0.1 mm | | |

Electrical properties of cable

| | | | |
|-------------------------------|----------------------------|--------------------------------|--|
| Transmission rate | 10/100 MBit/s, 1000 MBit/s | Category | Cat.5 (ISO/IEC 11801) |
| Capacity at 1 kHz | 48 nF/km | Loop resistance | 150 Ω/km |
| Signal propagation time | 5.13 ns/m | Test voltage: wire-wire-shield | 750 V DC, 1 min |
| Resistance differential | 3 % | Operating voltage, UL | 30 V |
| Shield attenuation | 55 dB at 30–600 MHz | Delay skew | 25 ns/100m |
| Operating voltage (UL rating) | 30 V | Transfer impedance | 15 mΩ/m at 1 MHz, 20 mΩ/m at 10 MHz, 30 mΩ/m at 30 MHz |
| Characteristic impedance | 100 ± 5 Ω at 100MHz | | |

Mechanical and material properties of cable

| | | | |
|--------------------------------|--------------------------------|---------------------------------|---------------------|
| Halogen | Yes | 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 | | |

Plug

| | | | |
|------------|---|-----------|---|
| Plug right | RJ45, IP20, male contact, straight, plug, Plastic, shielded | Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|------------|---|-----------|---|

Plug, left

| | |
|-----------|---|
| Plug left | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|-----------|---|

Plug, right

| | |
|------------|---|
| Plug right | RJ45, IP20, male contact, straight, plug, Plastic, shielded |
|------------|---|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ETIM 10.0 | EC002599 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 | | |

Drawings

Wiring

| | | | | |
|------|---|---------------|---|------|
| RJ45 | 1 | white, orange | 1 | RJ45 |
| | 2 | orange | 2 | |
| | 3 | white, green | 3 | |
| | 4 | blue | 4 | |
| | 5 | white, blue | 5 | |
| | 6 | green | 6 | |
| | 7 | white, brown | 7 | |
| | 8 | brown | 8 | |

Dimensioned drawing

