# IE-C5ES8VG0005M40M40-G

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, 0.5 m |
| Order No. | 1166020005 |
| Type | IE-C5ES8VG0005M40M40-G |
| GTIN (EAN) | 4032248956500 |
| Qty. | 1 items |

# IE-C5ES8VG0005M40M40-G

## Technical data

### Approvals

| | |
|---|---|
| Approvals | C E  UK CA |
| ROHS | Conform |

### Dimensions and weights

| Length | 0.5 m | Length (inches) | 19.685 inch |
|---|---|---|---|
| Net weight | 36 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) |
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### 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 mm² |
| Shielding | SF/UTP | Number of wires | 8 |
| Insulation cross-section | 0.98 mm | Insulation | PE |

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## Technical data

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

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# IE-C5ES8VG0005M40M40-G

## Drawings

### Wiring

| RJ45 | | | | RJ45 |
|---|---|---|---|---|
| 1 | white, orange | 1 |
| 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

# IE-C5ES8VG0005M40M40-G
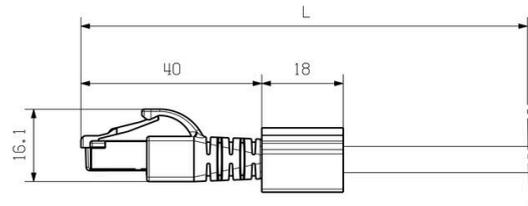
## Accessories

### Blank
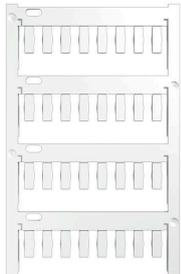


TM-I is an acknowledged and accredited marker type for traffic engineering applications. There are various different tag lengths available for individual labelling with long character strings. Easy handling of separation and installation thanks to the project marker field. Pre-attachment of sleeves and retrofitting of tags offer excellent versatility

The special contour of TM-I allows easy assembly and secures firm positioning. They are compatible with a number of commercially available sleeves. Thanks to the MultiCard format, the tags can be printed quickly and conveniently with the PrintJet CONNECT, plotter or the STI pen.

• Easy handling of separation and installation thanks to the project marker field.
• Acknowledged and accredited marker for traffic engineering applications
• Pre-attachment of sleeves and retrofitting of tags offer excellent versatility
• Not suited for labelling with P-Ink or STI pen in connection with CLI T sleeves

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

### General ordering data

| Type | TM-I 12 MC NE WS | Version | |
|---|---|---|---|
| Order No. | 1718411044 | TM-I, Insert markers, 12 x 4 mm, white | |
| GTIN (EAN) | 4008190348977 | | |
| Qty. | 320 ST | | |
| Type | TM-I 18 MC NE WS | Version | |
| Order No. | 1718431044 | TM-I, Insert markers, 1.5 - 22 mm, 18 x 4 mm, white | |
| GTIN (EAN) | 4008190349011 | | |
| Qty. | 320 ST | | |