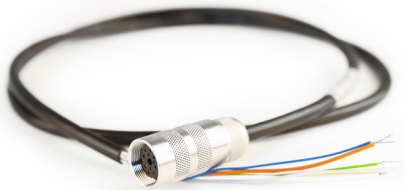


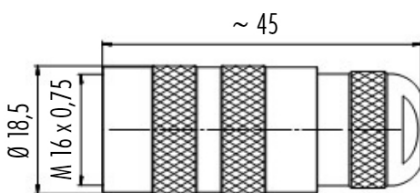
LUMIMAX® Connection Cable V1 - Technical Data

Product image



Picture may differ from the original product

Drawing M16 12-pin plug (female)



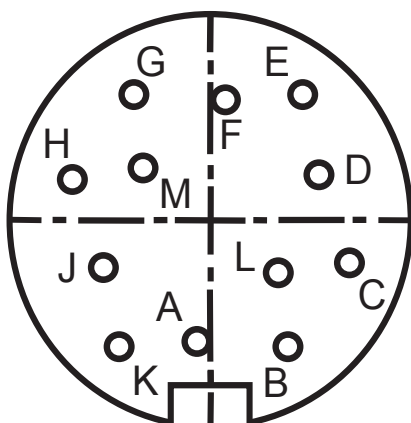
Description

- Connection cable with a M16 12-pin plug (female) for lightings of the LUMIMAX® product series, suitable for drag chain and robotics
- Coolant and lubricant resistance

Technical data

| | |
|--|---|
| Nominal voltage range in conjunction with LUMIMAX® light | 19 to 30 V DC (maximum tested nominal voltage of the cable 300 V DC) |
| Approvals | CE, cURus (E310776: Styles 10493 & 2464, 300 V / 80°C) |
| Wire construction | 5x 0.15 mm ² (green, yellow, grey, pink, blue) 2x 0.5 mm ² (white, brown) wire insulation made of TPE mixture |
| Outer diameter | ca 6 mm |
| Minimum bending radius for operation in energy chains | 12,5 x d max. acceleration: 50 m/s ² number of double strokes > 5 Mio. |
| Temperature range | -5 °C up to +70 °C according to DIN EN 60811, part 1-4 section 8.2 +5 °C up to +70 °C for operation in energy chains with >50.000 cycles |
| Outer sheath | insulating PP mixture, oil-resistant according to VDE, flame-resistant |
| Shield | shielding braid, tinned Cu-wires |
| Connector Plug | Binder series 423, 12-pin, female, M16, IP64 |
| Cable designation | CF900.13.602 |
| Robotic use | 1 million cycles, +/- 90° torsion |
| Weight | 52 g / m |
| Tariff code | 85399090 |
| Country of Origin | Germany |

Pin- / Wire assignment M16 plug for LUMIMAX® lightings *1



| Pin | Wire colour | Configuration for lightings with continuous operating mode *1 | Configuration for lightings with flash and lightings with switching inputs *1 | Configuration for lightings with continuous and flash operating mode *1 |
|-------|-------------|---|---|---|
| A + K | white | GND | GND | GND |
| B + L | brown | U _B | U _B | U _B |
| C | green | nc | nc | nc |
| D | yellow | VC | VC | VC |
| E | grey | nc / GND (depending on type) | NC / +Trigger TTL (depending on type) | Switching operating mode |
| F | pink | nc / GND (depending on type) | +Trigger TTL / PLC (depending on type) | +Trigger TTL / PLC (depending on type) |
| G | blue | nc / GND (depending on type) | GND Trigger | GND Trigger |
| H | Shield | Shield | Shield | Shield |
| J | nc *2 | nc | nc | nc |
| M | nc | nc | nc | nc |

*1 - For the exact configuration please note the respective product data sheet

*2 - nc = not connected