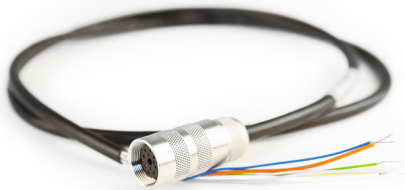


LUMIMAX® Connection Cable V1 - Technical Data

Product image



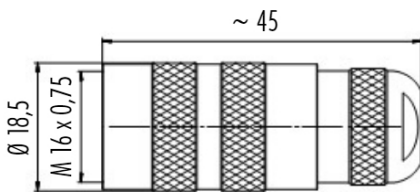
Picture may differ from the original product

Description

- connection cable with a M16 12-pin plug (female) for lightings of the LUMIMAX® product series, suitable for drag chain and robotics
- available lengths:

1.0 m (Article No. 115.0000.01)	15.0 m (Article No. 115.0000.06)
2.5 m (Article No. 115.0000.02)	20.0 m (Article No. 115.0000.10)
5.0 m (Article No. 115.0000.03)	25.0 m (Article No. 115.0000.11)
7.5 m (Article No. 115.0000.04)	30.0 m (Article No. 115.0000.12)
10.0 m (Article No. 115.0000.05)	45.0 m (Article No. 115.0000.35)
- connection cable with customer-specific lengths available on request (Article No. 115.0000.00)
- coolant and lubricant resistance

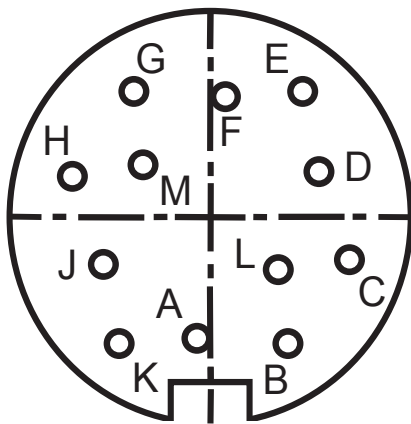
Drawing M16 12-pin plug (female)



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