

LUMIMAX[®] Connection Cable V1 - Technical Data

- connection cable with a M16 12-pin plug (female) for lightings of the LUMIMAX[®] product series, suitable for drag chain and robotics, IP67
- available lengths: 1,0 m / 2,5 m / 5,0 m / 7,5 m / 10,0 m / 15,0 m
- coolant and lubricant resistance

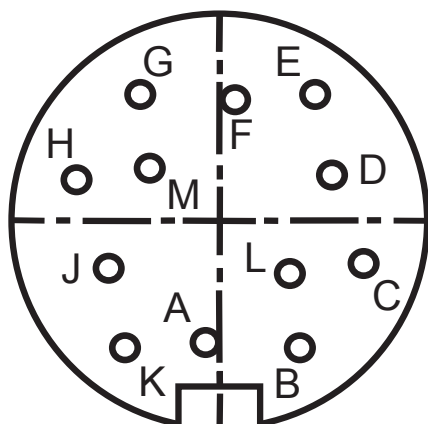
Nominal voltage	300 V
Approvals	cULus (Styles 10467 & 2464, 300 V / 80°C)
Outer diameter	ca 6 mm
Weight	52 g / m
Minimum bending radius for operation in energy chains	12,5 x d max. acceleration: 50 m/s ² number of double strokes > 5 Mio.
Temperature range	-5 °C up to +70 °C according to DIN EN 60811, part 1-4 section 8.2 +5 °C up to +70 °C for operation in energy chains with >50.000 cycles
Outer sheath	PP-Insulating compounds, oil resistant according to VDE, flame-resistant
Shield	braided conductor, tinned Cu-wires
Connector Plug	Binder series 423, 12-pin, female, M16, IP67
Robotic use	1 million cycles, +/- 90° torsion

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



Price list: [page 385 of the main product catalogue](#)