

**Technical data :**

Rated voltage	24 V DC
Rated current	500 mA
Ambient temperature range	-10...60 °C

**Protection :**

Protection degree	IP67 / IP20 (RJ45)
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**M12 straight male connector :**

Locking nut/screw material	Zamak, nickel-plated
Overmoulding material	TPU, self-extinguishing
Contact diameter	Ø1 mm
Contact material	CuZn, pre-plated with nickel and gold-plated
Contact resistance	< 5 mΩ
Peripheral shielding connected to locking nut/screw	

**RJ45 straight male connector :**

Contact material	Copper alloy, gold-plated
Hood material	Zamak, nickel-plated

**Shielded cable characteristics :**

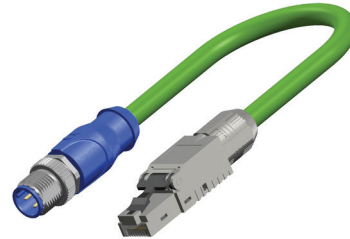
Type of cable	PROFINET CAT.5 (10-100 Mbit/s)
Suitable for EtherCAT and EtherNet/IP applications	
Sheath material	PVC
Wire structure	2 x 2 x AWG22 (PE)
Conductor class	AWG22/7 (Ø 1,5 mm)
Sheath diameter	6,5 mm
Conductor resistance	< 120 Ω/km (loop)
Characteristic impedance	100 Ω @ 100 MHz
Insulation resistance	500 MΩ*km
Tin-plated copper braided shielding covering rate: 85%	
Flame resistance according to	UL1685 (CSA FT 4)
Shielding material according to DIN EN 13602 Cu-ETP-A...-B	

**Cable length :**

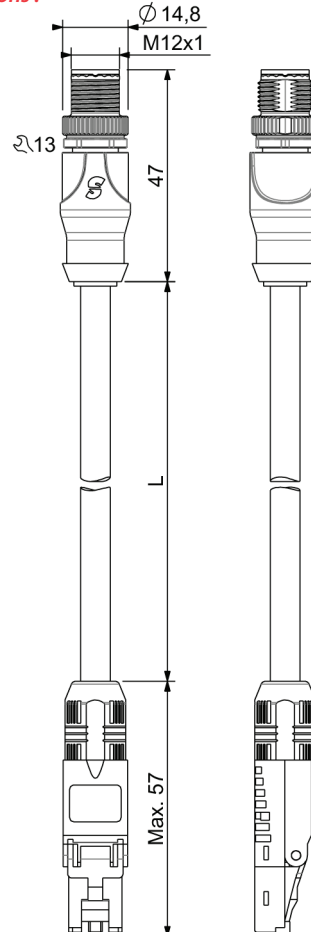
L length	45 m
Other length	On request

## V12DRJ45/4DLM455P

Field bus



**Dimensions :**



**Wiring diagram :**

