

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	Halogen free PUR
Wire structure	2 x 2 x AWG22 (PE)
Conductor class	AWG22/19 (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%	

Shielding material according to DIN EN 13602 Cu-ETP-A...-B
 Cable resistant to high torsion loads. Tested for more than one million bending cycles combined with 180° left/right movement over 1 metre

Minimum bending radius : 5 x outer diameter

Flame resistance according to IEC 60332-1-2

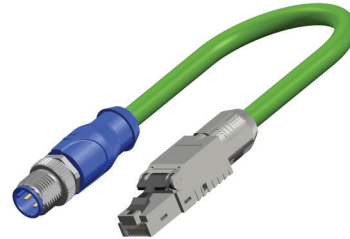
Halogen free cable according to DIN VDE 0472 Part 815

Cable length :

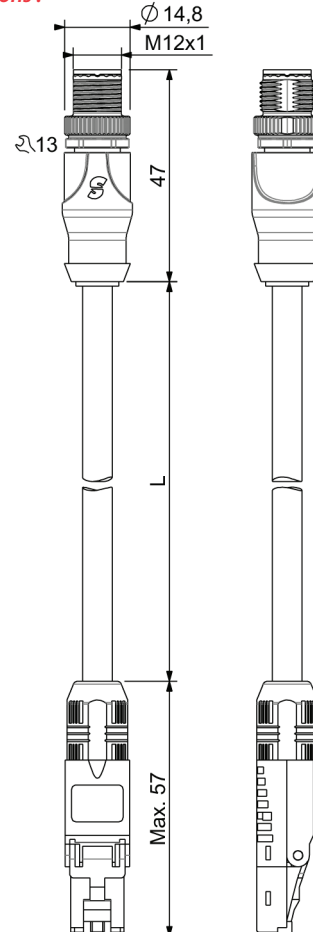
L length	45 m
Other length	On request

V12DRJ45/4DLM454P

Field bus



Dimensions :



Wiring diagram :

