General Accessories
Connector Cables
Type CONM1...



- Straight or 90° connector
- M12 version
- 3, 4 or 5 wire
- DC version
- LED's in transparent housing
- IP 67
- Easy stripping-off the outer jacket
- Good resistance against chemicals

Product Description

PVC version:
Connection cables for use in normal environments. Inexpensive cable ideally suited for a static and less demanding use. Suitable for medium mechanical demands like in packaging machines, assembly- and production lines. The connectors have a good resistance against chemicals. The cables are not resistant against oil and lubricants and have a limited resistance towards abrasion. The connectors are available in 3, 4 or 5 wire versions as well as straight or angled versions.

PUR/PVC version:
Connection cables for use in robust environments. Inexpensive cable for a flexible use in several areas. Flexible control cable for higher demands inside or outside; used in handling and packaging machines, assembly lines as well as production lines. The connectors have a good resistance against chemicals, and good resistance against temporary contact with oil and lubricants. they have a very good resistance towards abrasion. the connectors are UV resistant.
Connection cable for use in normal environments.
The connectors are available in 3, 4 or 5 wire versions as well as straight or angled versions.

Ordering Key

CONM14NF-APT2P

- CONM = Murr
- 1 = M12 DC
- 3 = 3 wire (BN, BU, BK)
- 4 = 4 wire (BN, BU, BK, WH)
- 5 = 5 wire (BN, BU, BK, WH, GY)
- N= Not shielded
- F= Female
- M= Male
- A = Angled
- S = Straight
- P= PNP
- N= NPN
- T= Transparent housing
- 2 = 2 meters
- 5 = 5 meters
- 10 = 10 meters
- Blank = PVC cable
- P = PUR/PVC cable

Type Selection

Plug type	Cable length	Ordering number PVC	Ordering number PVC LED NPN	Ordering number PVC LED PNP	Ordering number PUR/PVC	Ordering number PUR/PVC LED NPN	Ordering number PUR/PVC LED PNP
3-Wire Angled	2 m	CONM13NF-A2	CONM13NF-ANT2	CONM13NF-APT2	CONM13NF-A2P	-	-
	5 m	CONM13NF-A5	CONM13NF-ANT5	CONM13NF-APT5	CONM13NF-A5P	-	CONM13NF-APT5P
	10 m	CONM13NF-A10	-	-	-	-	-
3-Wire Straight	2 m	CONM13NF-S2	-	-	CONM13NF-S2P	-	-
	5 m	CONM13NF-S5	-	-	CONM13NF-S5P	-	-
4-Wire Angled	2 m	CONM14NF-A2	CONM14NF-ANT2	CONM14NF-APT2	CONM14NF-A2P	-	-
	5 m	CONM14NF-A5	CONM14NF-ANT5	CONM14NF-APT5	CONM14NF-A5P	-	-
	10 m	CONM14NF-A10	-	-	-	-	-
4-Wire Straight	2 m	CONM14NF-S2	CONM14NF-SNT2	CONM14NF-SPT2	CONM14NF-S2P	-	-
	5 m	CONM14NF-S5	CONM14NF-SNT5	CONM14NF-SPT5	CONM14NF-S5P	-	-
	10 m	CONM14NF-S10	-	-	-	-	-
5-Wire Angled	2 m	CONM15NF-A2	-	-	-	-	-
	5 m	CONM15NF-A5	-	-	-	-	-
	10 m	CONM15NF-A10	-	-	-	-	-
5-Wire Straight	2 m	CONM15NF-S2	-	-	-	-	-
	5 m	CONM15NF-S5	-	-	-	-	-
	10 m	CONM15NF-S10	-	-	-	-	-

CARLO GAVAZZI

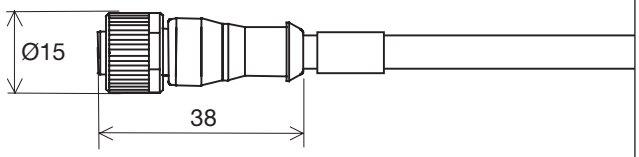
Specifications

Rated operating voltage (U_B)	
3 or 4 wire version	250 V ac/dc
5 wire version	125 V ac/dc
LED versions	24 VDC NOM max. 30 VDC
Output current	≤ 4 A
Contact resistance	≤ 6 mΩ
Contact material	CuZn (brass)
Coating	0.2Ni + 0.5Au
Pin diameter	1.02 mm
Contact bearer material	PUR green
Pin and key code position	IEC 61076-2-101
Temperature	-25° to +85°C (-77° to +185°F)
Degree of protection	IP 67
O-ring sealing	Viton
Insulation test	
3 or 4 wire version	2.5 kV
5 wire version	1.5 kV
Moulded body material	PUR/black
LED versions	Transparent pur

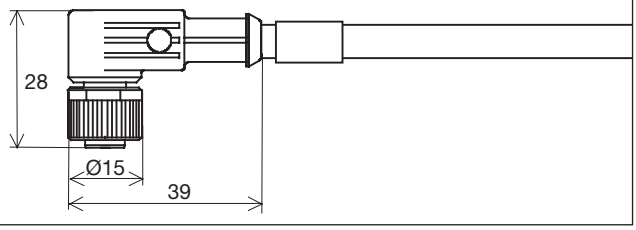
Union Locking nut	Zink Die Casting
Coating	Ni 4-6
Torque	≤ 0.6 Nm
Connection cable	Black, PVC or PUR/PVC
Wire cross section	
3 or 4 wire version	0.34 mm² (19 x 0.15 mm)
5 wire version	0.25 mm² (32 x 0.1 mm)
Weight	
2 m version	approx 98 g
5 m version	approx 212 g
10 m version	approx 402 g
Polution degree	3
Overvoltage category	III
Insulation group	II
LED colour	
Power Pin 1 to 3	Green LED
Output	
Pin 1-4(NPN),Pin 4-3(PNP)	Yellow LED

Dimensions

CONM1xNF-S.



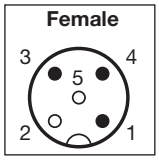
CONM1xNF-A.



Contact layout

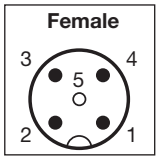
CONM13..

(3-wire)



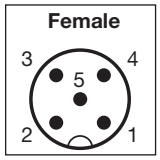
CONM14..

(4-wire)



CONM15..

(5-wire)

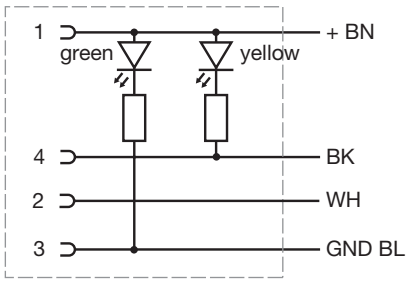


Colour Code

1 Brown
2 White
3 Blue
4 Black
5 Grey

LED Connections

NPN



PNP

