

# General Accessories

## Connector Cables

### Type CONM1...

CARLO GAVAZZI



- 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. 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 = Muur  
 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

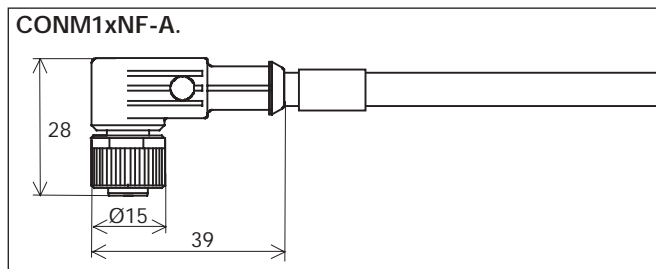
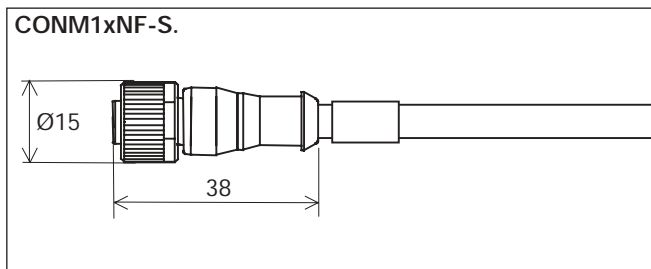
Plug type	Cable length	Ordering number PVC	Ordering number PVC LED NPN	Ordering number PVC LED PNP	Ordering number PUR/PVC	Ordering number PUR/PVC LED NPN	Ordering number PUR/PVC LED PNP
3-Wire Angled	2 m	CONM13NF-A2	CONM13NF-ANT2	CONM13NF-APT2	CONM13NF-A2P	-	-
	5 m	CONM13NF-A5	CONM13NF-ANT5	CONM13NF-APT5	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	-	-	-	-	-



## Specifications

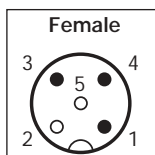
<b>Rated operating voltage (U<sub>B</sub>)</b> 3 or 4 wire version 5 wire version LED versions	250 V ac/dc 125 V ac/dc 24 VDC NOM max. 30 VDC	<b>Union Locking nut</b> Coating Torque	Zink Die Casting Ni 4-6 ≤ 0.6 Nm
<b>Output current</b>	≤ 4 A	<b>Connection cable</b>	Black, PVC or PUR/PVC
<b>Contact resistance</b>	≤ 6 mΩ	<b>Wire cross section</b> 3 or 4 wire version 5 wire version	0.34 mm <sup>2</sup> (19 x 0.15 mm) 0.25 mm <sup>2</sup> (32 x 0.1 mm)
<b>Contact material</b> Coating	CuZn (brass) 0.2Ni + 0.5Au	<b>Weight</b> 2 m version 5 m version 10 m version	approx 98 g approx 212 g approx 402 g
<b>Pin diameter</b>	1.02 mm	<b>Polution degree</b>	3
<b>Contact bearer material</b>	PUR green	<b>Overvoltage category</b>	III
<b>Pin and key code position</b>	IEC 61076-2-101	<b>Insulation group</b>	II
<b>Temperature</b>	-25° to +85°C (-77° to +185°F)	<b>LED colour</b> Power Pin 1 to 3 Output Pin 1-4(NPN), Pin 4-3(PNP)	Green LED Yellow LED
<b>Degree of protection</b>	IP 67		
<b>O-ring sealing</b>	Viton		
<b>Insulation test</b> 3 or 4 wire version 5 wire version	2.5 kV 1.5 kV		
<b>Moulded body material</b> LED versions	PUR/black Transparent pur		

## Dimensions

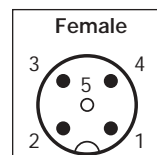


## Contact layout

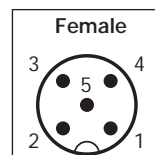
CONM13..  
(3-wire)



CONM14..  
(4-wire)



CONM15..  
(5-wire)

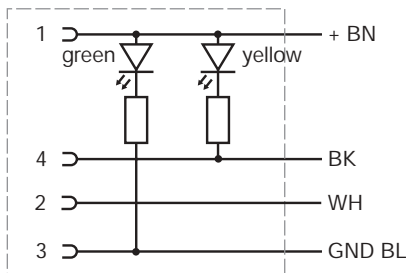


### Colour Code

- 1 Brown
- 2 White
- 3 Blue
- 4 Black
- 5 Beige

### LED Connections

#### NPN



#### PNP

