

General Accessories

Connector Cables

Type CONB1...

CARLO GAVAZZI



- Straight or 90° connectors
- M12 version
- 3, 4 or 5 wire
- LEDs in transparent housing
- IP 67
- UL approved

Product Description

M12 connection cables for 3 wires, 4 wires or 5 wires. Come in straight or angled versions. Some versions are also with LED.

UL approved high-quality connection cable either in PVC jacket or in the more durable PUR jacket. Standard lengths of 2m, 5m, 10m or 15m.

Ordering Key

CONB14NF-APT2P

CONB
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
A = Angled
S = Straight
P= PNP
N= NPN
T= Transparent housing
2 = 2 m
5 = 5 m
10 = 10 m
15 = 15 m
Blank = PVC cable
P = PUR

Type Selection

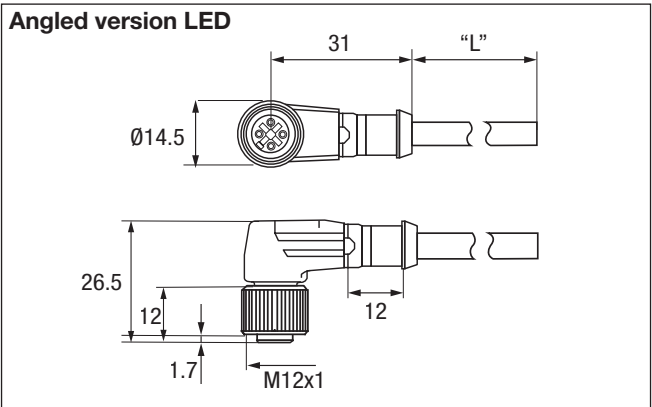
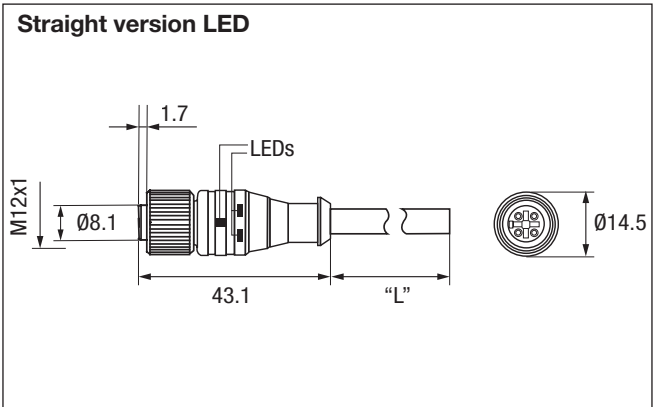
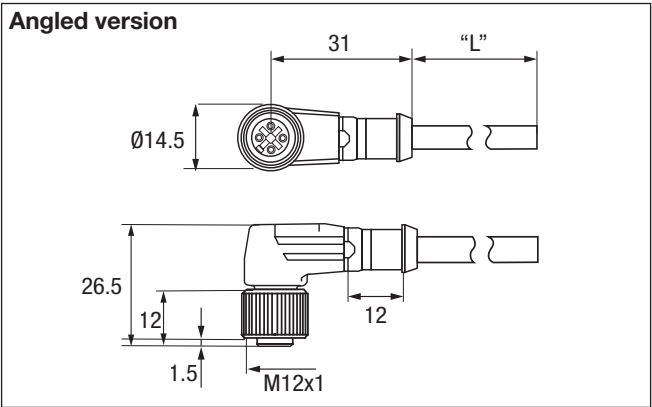
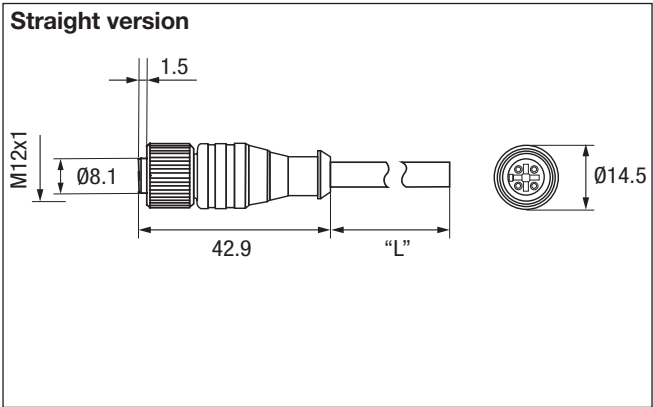
Plug type	Cable length	Ordering number PVC	Ordering number PVC LED NPN	Ordering number PVC LED PNP	Ordering number PUR
3-Wire Angled	2 m	CONB13NF-A2	CONB13NF-ANT2	CONB13NF-APT2	CONB13NF-A2P
	5 m	CONB13NF-A5	CONB13NF-ANT5	CONB13NF-APT5	CONB13NF-A5P
	10 m	CONB13NF-A10	-	-	CONB13NF-A10P
	15 m	CONB13NF-A15	-	-	CONB13NF-A15P
3-Wire Straight	2 m	CONB13NF-S2	-	-	CONB13NF-S2P
	5 m	CONB13NF-S5	-	-	CONB13NF-S5P
	10 m	CONB13NF-S10	-	-	CONB13NF-S10P
	15 m	CONB13NF-S15	-	-	CONB13NF-S15P
4-Wire Angled	2 m	CONB14NF-A2	CONB14NF-ANT2	CONB14NF-APT2	CONB14NF-A2P
	5 m	CONB14NF-A5	CONB14NF-ANT5	CONB14NF-APT5	CONB14NF-A5P
	10 m	CONB14NF-A10	-	-	CONB14NF-A10P
	15 m	CONB14NF-A15	-	-	CONB14NF-A15P
4-Wire Straight	2 m	CONB14NF-S2	CONB14NF-SNT2	CONB14NF-SPT2	CONB14NF-S2P
	5 m	CONB14NF-S5	CONB14NF-SNT5	CONB14NF-SPT5	CONB14NF-S5P
	10 m	CONB14NF-S10	-	-	CONB14NF-S10P
	15 m	CONB14NF-S15	-	-	CONB14NF-S15P
5-Wire Angled	2 m	CONB15NF-A2	-	-	CONB15NF-A2P
	5 m	CONB15NF-A5	-	-	CONB15NF-A5P
	10 m	CONB15NF-A10	-	-	CONB15NF-A10P
	15 m	CONB15NF-A15	-	-	CONB15NF-A15P
5-Wire Straight	2 m	CONB15NF-S2	-	-	CONB15NF-S2P
	5 m	CONB15NF-S5	-	-	CONB15NF-S5P
	10 m	CONB15NF-S10	-	-	CONB15NF-S10P
	15 m	CONB15NF-S15	-	-	CONB15NF-S15P



Specifications

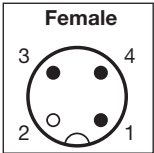
Rated operating voltage (U_B) 3 or 4 wire version 5 wire version LED versions	240V AC/DC 60V AC/DC 30V AC/DC	PVC 3 wires 4 wires 5 wires	0,34mm ² 0,25mm ² 0,34mm ²
Rated current	≤ 4 A	Contact material	CuSn
Contact resistance	≤ 5mΩ	Contact plating	Cu/Au
Rated impulse voltage 3 or 4 wire 5 wire	2.0KV 1.5KV	Contact bearer material	TPU orange
Insulation resistance	> 10 ⁹ Ω	Moulded body material	TPU translucent
Cable outer diameter PUR 3 wires 4 wires 5 wires PVC 3 wires 4 wires 5 wires	4.3 mm 4.7 mm 5.4 mm 5 mm 5 mm 5.7 mm	O-ring sealing	FKM
Wire cross section PUR 3 wires 4 wires 5 wires	0,34mm ² 0,34mm ² 0,50mm ²	Knurled nut	CuZn, nickel plated
		Tightening torque	0.5 Nm
		Degree of protection	IP 67
		Pollution degree	3
		Pin IEC standard	IEC61076-2-101
		Temperature	-40° to 90°C
		Weight* 2 m version 5 m version 10 m version 15 m version	approx 100 g approx 200 g approx 300 g approx 500 g *varies depending on model
		LED colour Power Output	Green Yellow

Dimensions

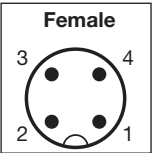


Contact layout

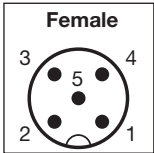
(3-wire)



(4-wire)



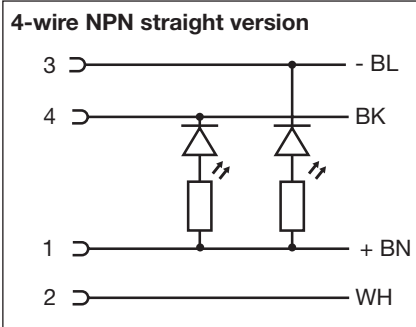
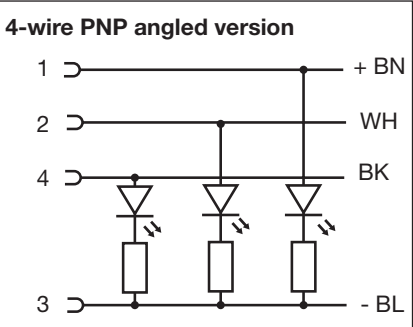
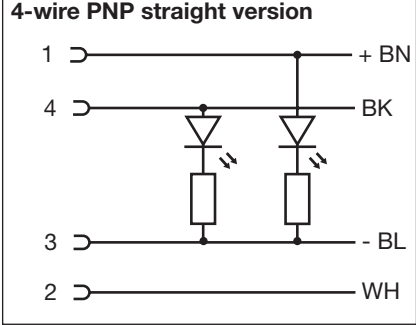
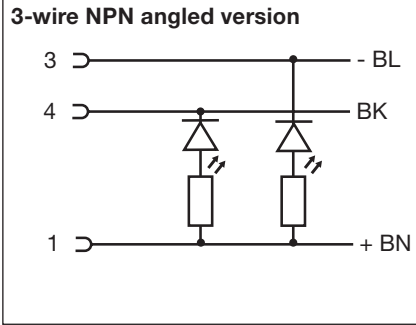
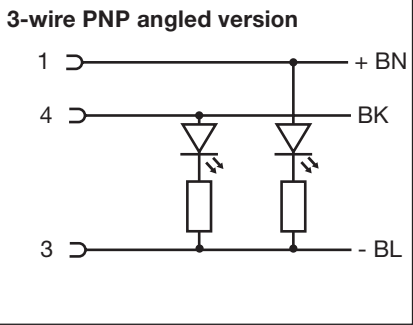
(5-wire)



Colour Code

- 1 Brown (BN)
- 2 White (WH)
- 3 Blue (BL)
- 4 Black (BK)
- 5 Grey

LED Connections



Derating curve (DIN EN 60512-5-2)

