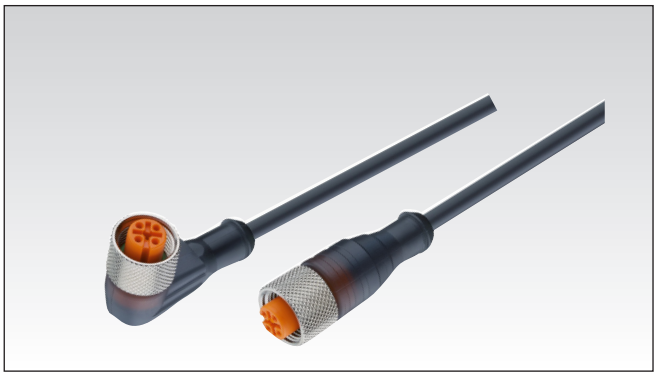
General Accessories
Connector Cables
Type CONB1...



- Straight or 90° connector
- 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

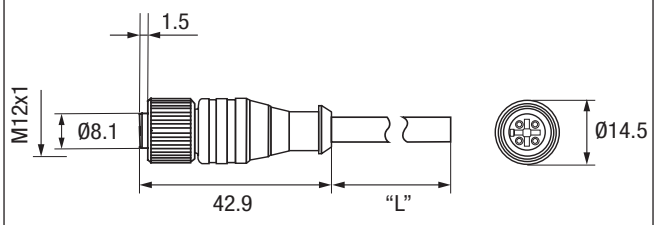
Plug type	Cable length	Ordering number PVC	Ordering number PVC LED NPN	Ordering number PVC LED PNP	Ordering number PUR
3-Wire Angled	2 m	CONB13NF-A2	CONB13NF-ANT2	CONB13NF-APT2	CONB13NF-A2P
	5 m	CONB13NF-A5	CONB13NF-ANT5	CONB13NF-APT5	CONB13NF-A5P
	10 m	CONB13NF-A10	-	-	CONB13NF-A10P
	15 m	CONB13NF-A15	-	-	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

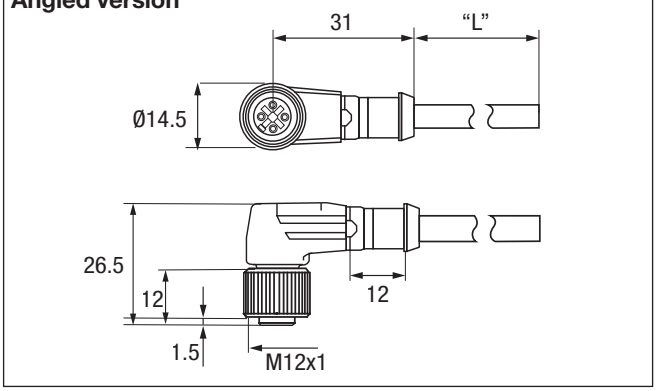
Rated operating voltage (U_B)	
3 or 4 wire version	240V AC/DC
5 wire version	60V AC/DC
LED versions	30V AC/DC
Rated current	≤ 4 A
Contact resistance	≤ 5mΩ
Rated impulse voltage	
3 or 4 wire	2.0KV
5 wire	1.5KV
Insulation resistance	> 10^9Ω
Cable outer diameter	
PUR	
3 wires	4.3 mm
4 wires	4.7 mm
5 wires	5.4 mm
PVC	
3 wires	5 mm
4 wires	5 mm
5 wires	5.7 mm
Wire cross section	
PUR	
3 wires	0,34mm²
4 wires	0,34mm²
5 wires	0,50mm²
PVC	
3 wires	0,34mm²
4 wires	0,25mm²
5 wires	0,34mm²
Contact material	CuSn
Contact plating	Cu/Au
Contact bearer material	TPU orange
Moulded body material	TPU translucent
O-ring sealing	FKM
Knurled nut	CuZn, nickel plated
Degree of protection	IP 67
Pollution degree	3
Pin IEC standard	IEC61076-2-101
Temperature	-40° to 90°C
Weight*	
2 m version	approx 100 g
5 m version	approx 200 g
10 m version	approx 300 g
15 m version	approx 500
	*varies depending on model
LED colour	
Power	Green
Output	Yellow

Dimensions

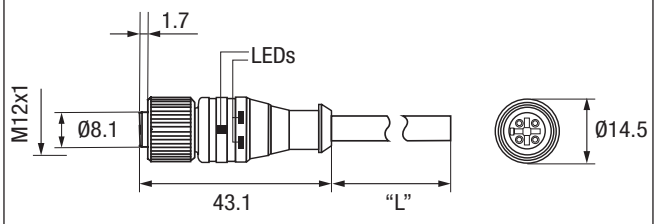
Straight version



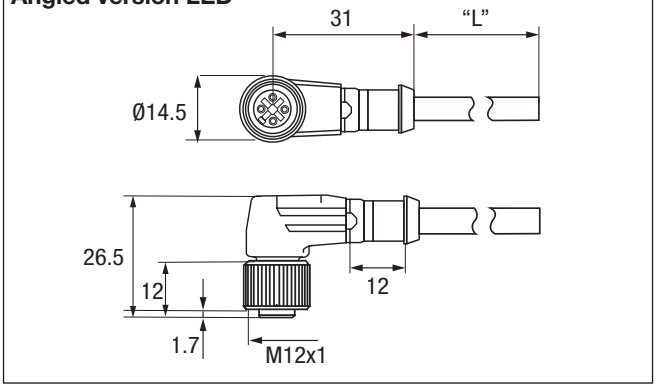
Angled version



Straight version LED

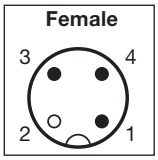


Angled version LED

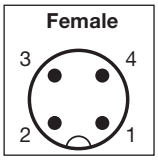


Contact layout

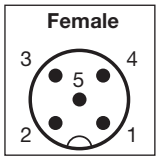
(3-wire)



(4-wire)



(5-wire)

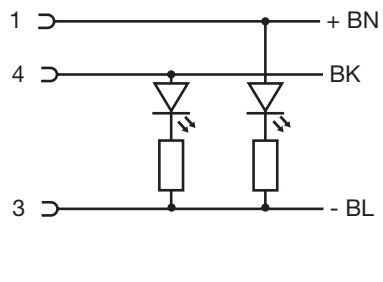


Colour Code

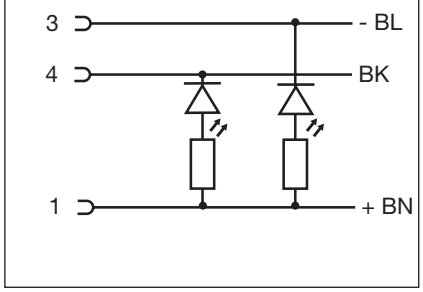
1 Brown (BN)
2 White (WH)
3 Blue (BL)
4 Black (BK)
5 Grey

LED Connections

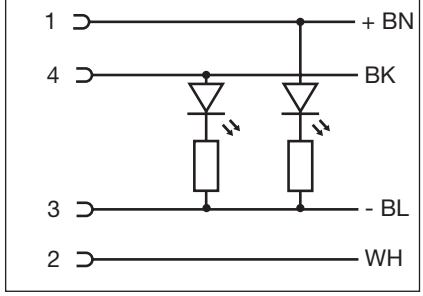
3-wire PNP angled version



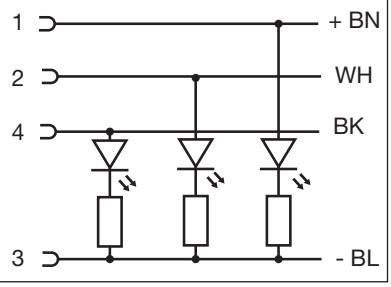
3-wire NPN angled version



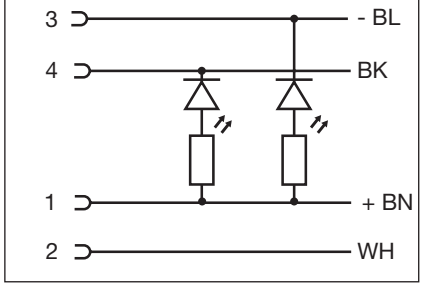
4-wire PNP straight version



4-wire PNP angled version



4-wire NPN straight version



Derating curve (DIN EN 60512-5-2)

