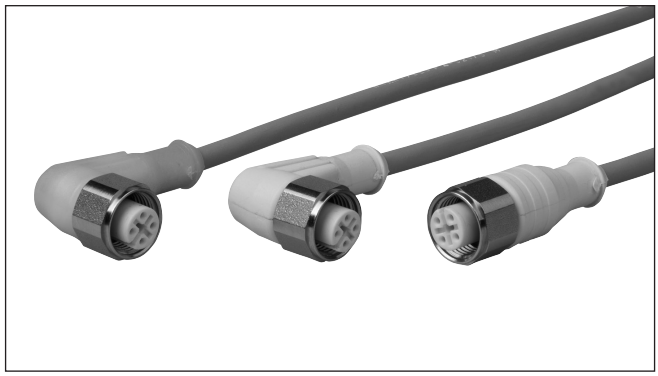
General Accessories
IP69K Connector Cables
Type CONB1...W



- **IP69K version**
- **Straight or 90° connector**
- **M12 version**
- **4-wire**
- **Good resistance against chemicals**
- **High temperature - up to 105°C (UL 90°C)**
- **UL and ECOLAB approved**
- **LED version also available**

Product Description

Highly robust IP69K connection cables for harsh environments. Especially suitable for use in washdown industries such as food & beverage, chemical and pharmaceutical industries thanks to the high standards of UL and ECOLAB.
Featuring UL certified temperatures of up to 90°C, ECOLAB certification and IP69K protection class, the CONB IP69K connectors offer a guaranteed long term reliability even in the harshest environments. Moreover, the connectors are resistant to aggressive chemicals and cleaning agents adhering to high Ecolab standards which make them very suitable to be used in Food & Beverage industry.
For maximum flexibility, the connectors are available in straight or angled versions as well as with or without LED in M12 connector, 4 wires.

Ordering Key

CONB14NF-AP2W

- **CONB**
- **1 = M12 DC**
- **4 = 4 wire (BN, BU, BK, WH)**
- **N= Not shielded**
- **F= Female**
- **A = Angled**
- **S = Straight**
- **P= PNP**
- **N= NPN**
- **2 = 2 metres**
- **5 = 5 metres**
- **W = Washdown**

Type Selection

Plug type	Cable length	Ordering number TPE	Ordering number TPE LED PNP	Ordering number TPE LED NPN
4-Wire Angled	2 m	CONB14NF-A2W	CONB14NF-AP2W	CONB14NF-AN2W
	5 m	CONB14NF-A5W	CONB14NF-AP5W	CONB14NF-AN5W
4-Wire Straight	2 m	CONB14NF-S2W	CONB14NF-SP2W	CONB14NF-SN2W
	5 m	CONB14NF-S5W	CONB14NF-SP5W	CONB14NF-SN5W

Specifications

Rated operating voltage (U_B) LED versions	250 V ac/dc (30V UL) 30 VDC
Output current	≤ 4 A
Contact resistance	≤ 5 mΩ
Contact material Coating	Cu/Sn Cu/Au
Contact bearer material	PP white
Temperature	-40° to +105°C (90°C UL) -40° to +221°F (194°F UL)
Degree of protection	IP69K
O-ring sealing	EPDM
Rated Impulse Voltage Insulation resistance	2.5 kV > 10^9 Ohm
Moulded body material	PP white
Union Locking nut	V4A

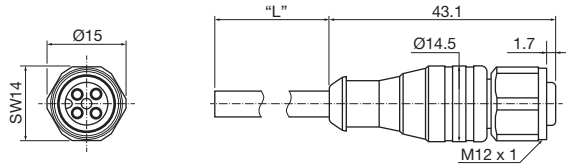
Tightening torque	0.5 Nm
Connection cable	TPE orange
Wire cross section	4 x 0.25 mm^2 (jacket Ø 4.7 mm)
Weight 2 m version 5 m version	 approx 63 g approx 109 g
Pollution degree	3
Overvoltage category	III
Insulation group	I
LED colour* Power Output**	 Green LED 1 Yellow LED

* Please refer to wiring diagram section

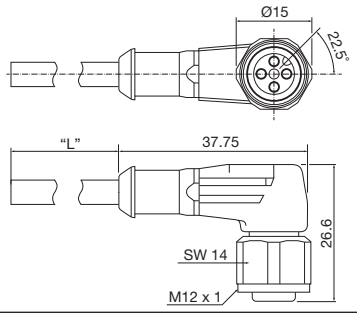
**CONB14NF-AP.W: 2 Yellow LEDs

Dimensions

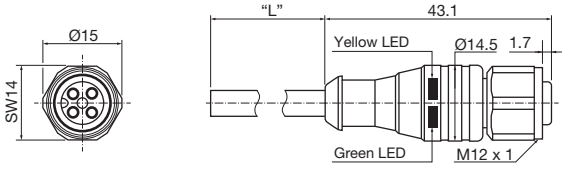
Straight Version



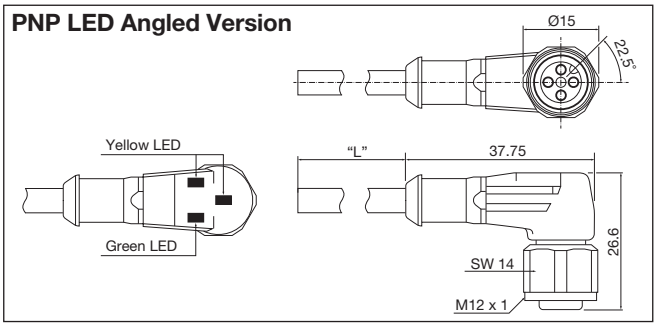
Angled Version



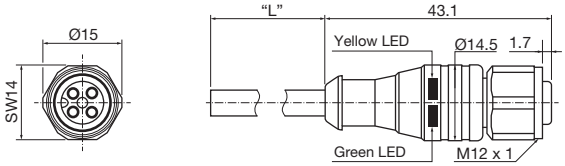
PNP LED Straight Version



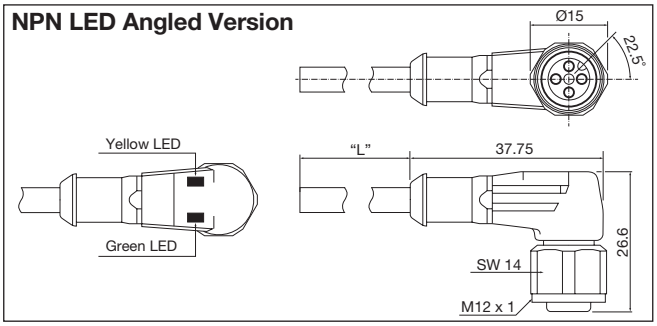
PNP LED Angled Version



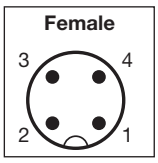
NPN LED Straight Version



NPN LED Angled Version



Contact layout

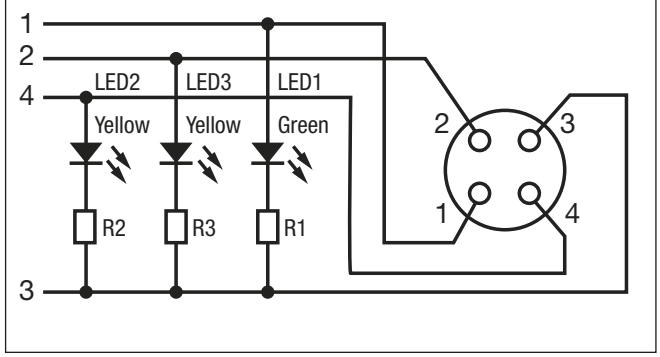


Colour Code

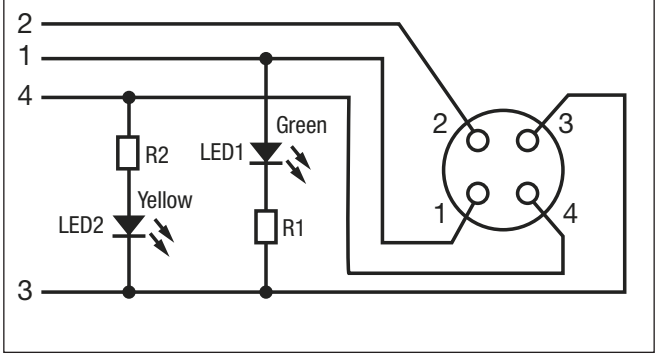
1 Brown
2 White
3 Blue
4 Black

Wiring Diagram

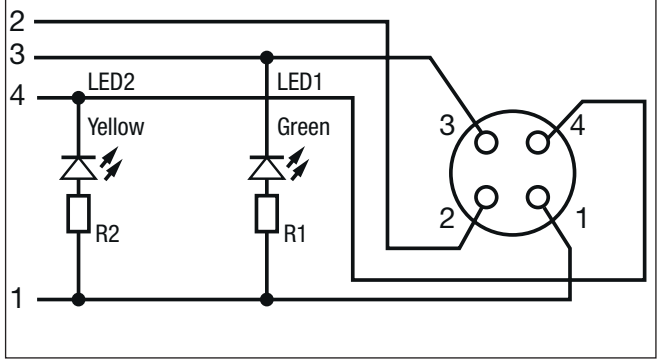
CONB14NF-AP_W



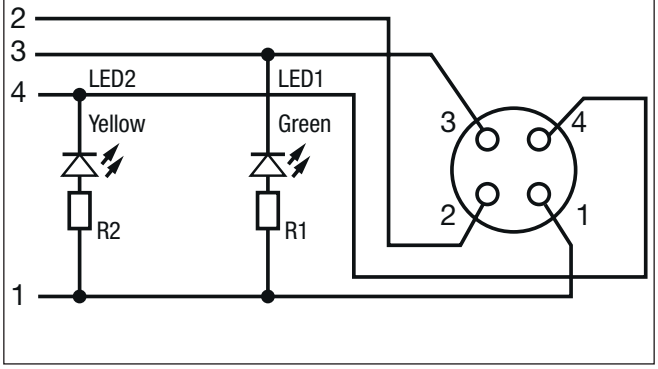
CONB14NF-SP_W



CONB14NF-AN_W



CONB14NF-SN_W



Derating Curve (DIN EN 60512-5-2)

