![Chipsmall logo]

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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General Accessories
Connectors
Type CONB5...

CARLO GAVAZZI

CONB5x-Ax

CONB5x-Sx

- Straight or 90° connectors
- M8 version
- 3 or 4 wire
- LEDs in transparent housing
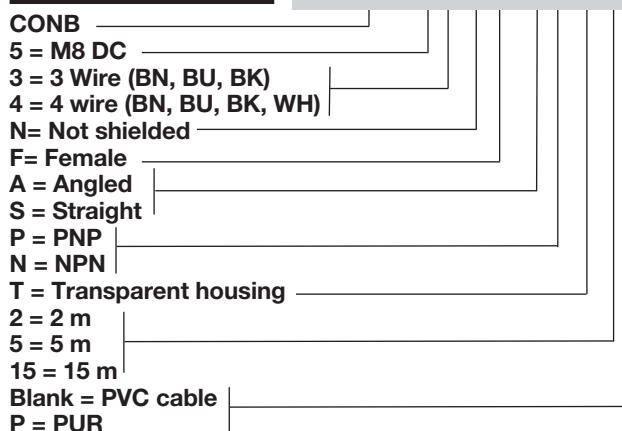- IP 67
- UL approved

Product Description

M8 connection cables for 3 wires or 4 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.
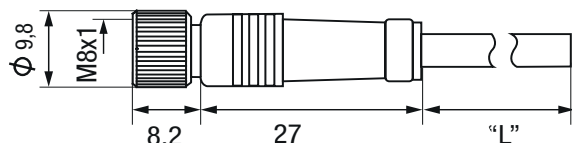
Ordering Key

CONB53NF-APT2P

CONB
5 = M8 DC
3 = 3 Wire (BN, BU, BK)
4 = 4 wire (BN, BU, BK, WH)
N= Not shielded
F= Female
A = Angled
S = Straight
P = PNP
N = NPN
T = Transparent housing
2 = 2 m
5 = 5 m
15 = 15 m
Blank = PVC cable
P = PUR

Type Selection

Plug type	Cable length	Ordering number PVC	Ordering number PUR	Ordering number PVC LED NPN	Ordering number PVC LED PNP
3-Wire Angled	2 m	CONB53NF-A2	CONB53NF-A2P	CONB53NF-ANT2	CONB53NF-APT2
	5 m	CONB53NF-A5	CONB53NF-A5P	CONB53NF-ANT5	CONB53NF-APT5
	10 m	CONB53NF-A10	CONB53NF-A10P		
	15 m	CONB53NF-A15	CONB53NF-A15P		
3-Wire Straight	2 m	CONB53NF-S2	CONB53NF-S2P		
	5 m	CONB53NF-S5	CONB53NF-S5P		
	10 m	CONB53NF-S10	CONB53NF-S10P		
	15 m	CONB53NF-S15	CONB53NF-S15P		
4-Wire Angled	2 m	CONB54NF-A2	CONB54NF-A2P		
	5 m	CONB54NF-A5	CONB54NF-A5P		
	10 m	CONB54NF-A10	CONB54NF-A10P		
	15 m	CONB54NF-A15	CONB54NF-A15P		
4-Wire Straight	2 m	CONB54NF-S2	CONB54NF-S2P		
	5 m	CONB54NF-S5	CONB54NF-S5P		
	10 m	CONB54NF-S10	CONB54NF-S10P		
	15 m	CONB54NF-S15	CONB54NF-S15P		

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Specifications

Rated operating voltage		**Moulded body material**	TPU translucent
3 & 4 wire	60VAC/DC	**O-ring sealing**	FKM
LED versions	30 VDC	**Coupling screw**	CuZn, nickel plated
Rated current	≤4A	**Tightening torque**	0.5 Nm
Contact resistance	≤5mΩ	**Degree of protection**	IP67
Rated impulse voltage	1.5KV	**Pollution degree**	3
Insulation resistance	>10⁹Ω	**Pin IEC standard**	IEC61076-2-104
Cable outer diameter		**Temperature**	-40° to 90°C
PUR	4.3mm	**Weight***	
PVC	5.0mm	2m version	approx 100g
Wire cross section	3 wires: 0,34mm²	5m version	approx 200g
	4 wires: 0,25mm²	10m version	approx 300g
Cable	PVC or PUR, black	15m version	approx 500g
Contact material	CuSn		*varies depending on model
Contact plating	pre-nickelled and gold plated	**LED colour**	
Contact bearer material	PA/TPU orange	Power	green
		Output	yellow

(Note: Insulation resistance value is $>10^9\Omega$; Wire cross section values $0{,}34\,\text{mm}^2$ and $0{,}25\,\text{mm}^2$.)

Dimensions

Straight version

Angled version
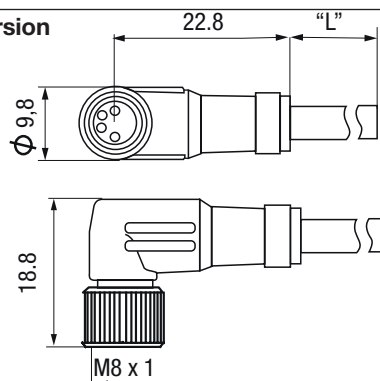
LED version

Contact layout

3-wire

Female
4
3 • • 1

4-wire

Female
4   2
3 • • 1

3-pole with 2 x LED

PNP

1 ⊃ BN   +

4 ⊃ BK   Signal

3 ⊃ BL   -

3-pole with 2 x LED

NPN

3 ⊃ BL   -

4 ⊃ BK   Signal

1 ⊃ BN   +

Colour Code

1 Brown (BN)
2 White (WH)
3 Blue (BL)
4 Black (BK)
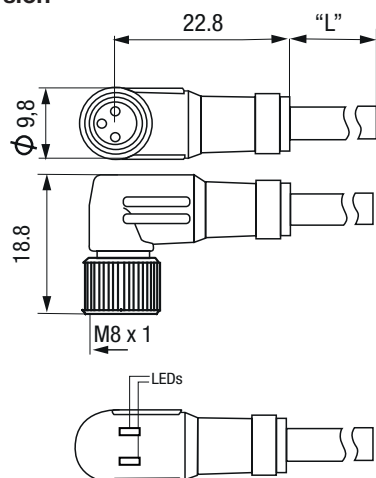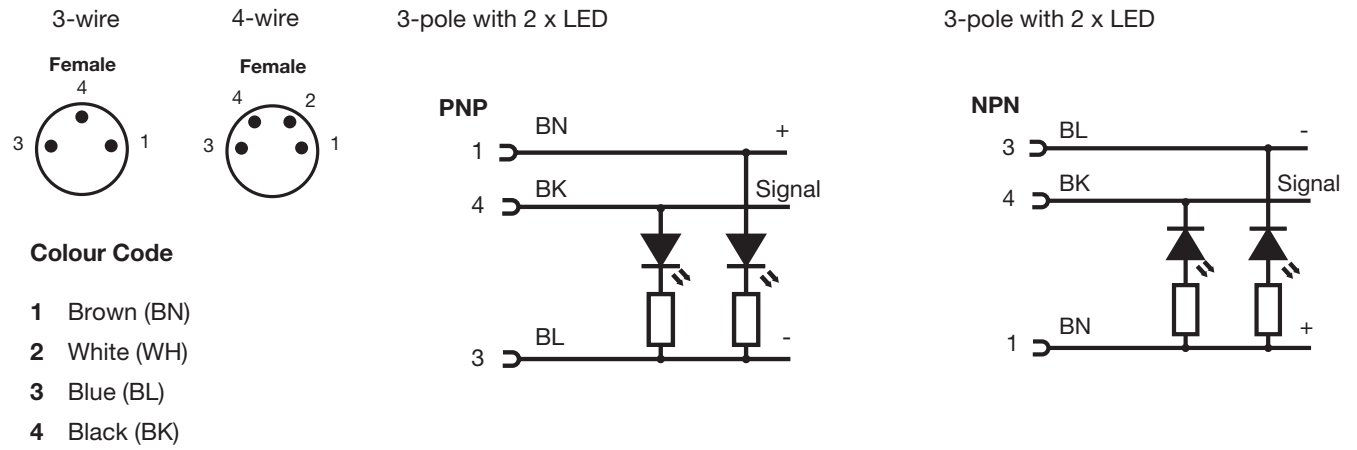
Derating curve (DIN EN 60512-5-2)