

# Pinout of cables for RPC/IPC devices with M12 circular connectors



Revision	Date	Author	Modification
1.0	13.01.2020	D. Scheiwiller	initial release
1.1	14.01.2020	D. Scheiwiller	added CPN/M12A5MFCE-150A
1.2	25.11.2020	D. Scheiwiller	corrected strand colours of CAB/M12A5FSCZ4-150A

# CAB/M12A5FSCZ4-150A (Power)

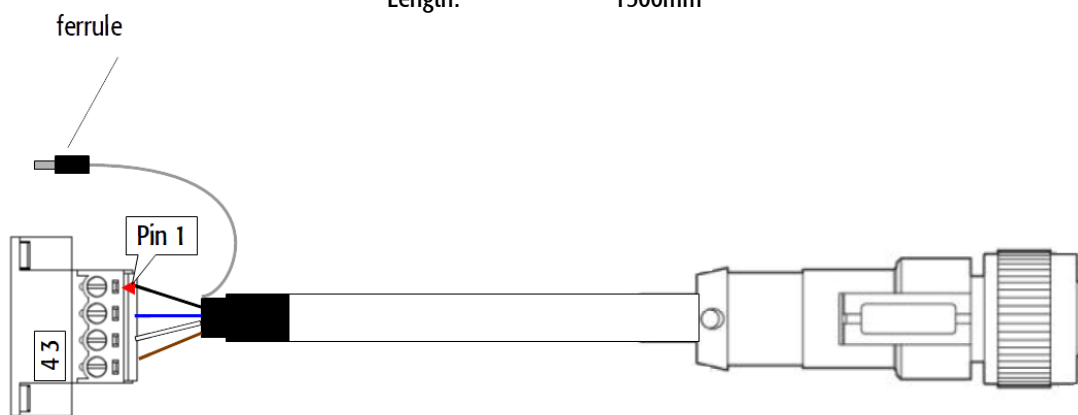
Connector CN1:  
 Manufacturer: Weidmüller  
 Socket: 1971320000

Fitting connector:  
 Weidmüller Omnimate series  
 e.g. 1792970000 or similar

Connector CN2:  
 M12 socket, 5 pole, female, A-coded

Fitting connector:  
 M12 plug, 4 or 5 pole, male, A-coded

Length: 1500mm



CN1 Pin #	Colour	Signal	CN2 Pin #
4	Brown	GND	1
3	White	+24VDC	2
2	Blue	PF / GND <sup>1</sup>	3
1	Black	NC / +24VDC_AUX / +24VDC <sup>1</sup>	4
Ferrule	Grey	NC / PF <sup>1</sup>	5



## Important Note

Check your device configuration carefully before applying power.

<sup>1</sup> Depending on specific device! See user manual or support sheet

# CAB/M12A5MDSM09-150A (CAN)

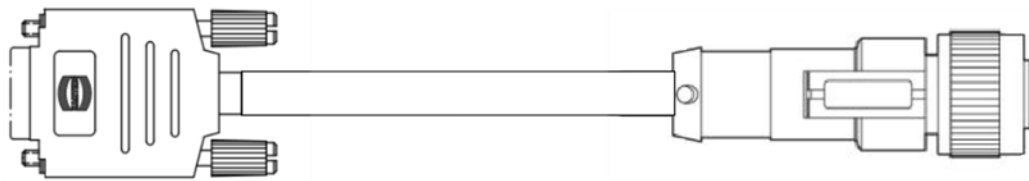
Connector CN1:  
DSUB9 socket male

Fitting connector:  
DSUB9 connector female

Connector CN2:  
M12 plug, 5 pole, male, A-coded

Fitting connector:  
M12 socket, 5 pole, female, A-coded

Length: 1500mm



CN1 Pin #	Signal	CN2 Pin #
3	CAN_GND	3
7	CAN_H	4
2	CAN_L	5
1, 4, 5, 6, 8, 9	NC	1, 2



## Important Note

Check your device configuration carefully before connecting to a CAN bus

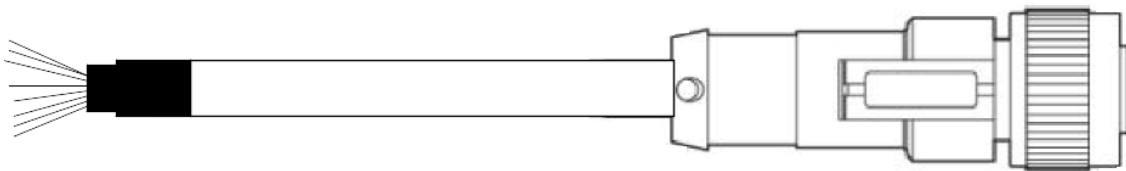
# CPN/M12A8MFCE-150A (2x CAN/2x USB)

Connector CN1:  
No connector, open end for custom connector  
depending on specific configuration

Connector CN2:  
M12 plug, 8 pole, male, A-coded

Fitting connector:  
M12 socket, 8 pole, female, A-coded

Length: 1500mm



Strand colour	USB Signal	CAN Signal	CN2 Pin #
White	VBUS0	NC	1
Brown	USB0-	NC	2
Green	USB0+	GND1	3
Yellow	GND0	CAN_H1	4
Grey	VUSB1	CAN_L1	5
Pink	USB1-	CAN_H2	6
Blue	USB1+	CAN_L2	7
Red	GND1	GND2	8



## Important Note

Check your device configuration carefully before connecting to a CAN bus or USB device.

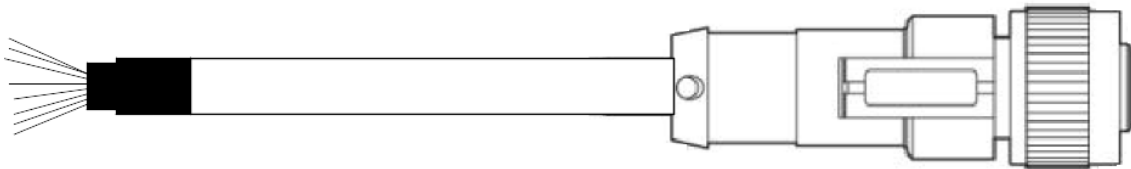
# CPN/M12A5MFCE-150A (CAN/USB)

Connector CN1:  
No connector, open end for custom connector  
depending on specific configuration

Connector CN2:  
M12 plug, 5 pole, male, A-coded

Fitting connector:  
M12 socket, 5 pole, female, A-coded

Length: 1500mm



Strand colour	USB Signal	CAN Signal	CN2 wire#
Brown	VBUS0	NC	1
White	USB0-	NC	2
Blue	USB0+	GND1	3
Black	GND0	CAN_H1	4
Grey	VUSB1	CAN_L1	5



## Important Note

Check your device configuration carefully before connecting to a CAN bus or USB device.