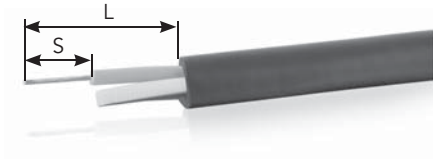
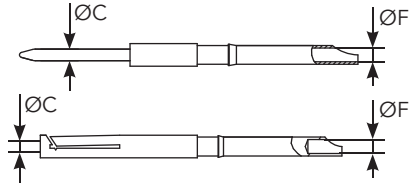


## Solder contacts



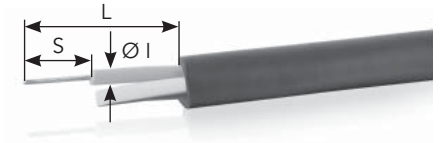
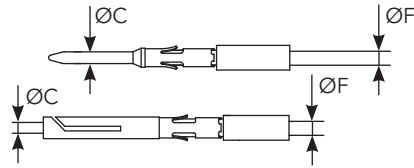
Contact size ØC	ØF		Wire size (Stranded)		Part number		Max current rating (A)	Contact resistance (mΩ)
	mm	inch	AWG (maxi)	mm <sup>2</sup> (maxi)	Male	Female		
#24 Ø 0.5 mm / Ø 0.019"	0.50	0.019"	28	0.09	Not available	Not available	5	10
#22 Ø 0.7 mm / Ø 0.027"	0.80	0.031"	22	0.34	Not available	Not available	7	5
#20 Ø 0.9 mm / Ø 0.035"	0.80	0.031"	22	0.34	JBX1CTMS09	JBX1CTFS09	10	3.5
#18 Ø 1.3 mm / Ø 0.051"	1.10	0.043"	20	0.50	JBX1CTMS13	JBX1CTFS13	15	3

\* Part numbers for removal contacts only

## Wire stripping instructions

Contact size	L		S	
	mm	inch	mm	inch
#24 Ø 0.5 mm / Ø 0.019"	20	0.790"	2	0.079"
#22 Ø 0.7 mm / Ø 0.027"	20	0.790"	3	0.118"
#20 Ø 0.9 mm / Ø 0.035"	20	0.790"	3	0.118"
#18 Ø 1.3 mm / Ø 0.051"	20	0.790"	3.5	0.138"

### Crimp contacts (Not available in Ø 0.5 mm versions)



Contact size ØC	ØF		Wire size (Stranded)		Part number*		Max current rating (A)	Contact resistance (mΩ)
	mm	inch	AWG (min-maxi)	mm <sup>2</sup> (min-maxi)	Male	Female		
#22 Ø 0.7 mm/ Ø 0.027"	0.85	0.033"	26-22	0.14-0.34	<b>JBX1CTMC07</b>	<b>JBX1CTFC07</b>	7	5
#20 Ø 0.9 mm/ Ø 0.035"	1.10	0.043"	24-20	0.25-0.50	<b>JBX1CTMC09</b>	<b>JBX1CTFC09</b>	10	3.5
#18 Ø 1.3 mm/ Ø 0.051"	1.40	0.055"	22-18	0.50-1.00	<b>JBX1CTMC13</b>	<b>JBX1CTFC13</b>	15	3

\* Part numbers for removal contacts only

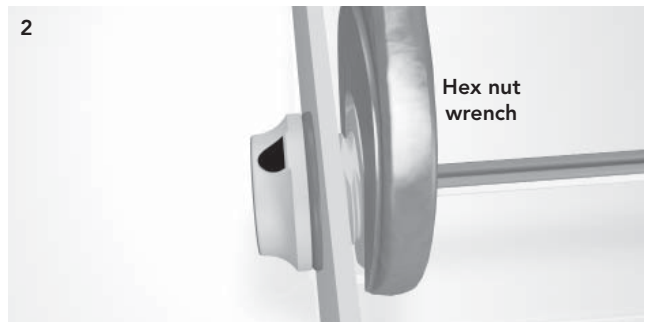
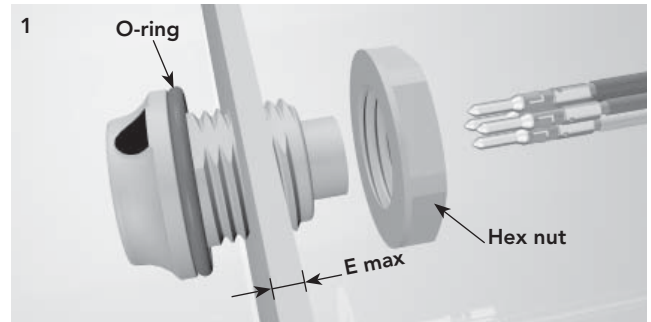
### Wire stripping instructions

Contact size	Ø I (diameter over insulation)		L		S	
	mm	inch	mm	inch	mm	inch
#22 Ø 0.7 mm/ Ø 0.027"	> 1.35	≤ 0.053"	20	0.790"	4	0.157"
	> 1.35	> 0.053"			5.5	0.217"
#20 Ø 0.9 mm/ Ø 0.035"	≤ 1.60	≤ 0.062"	20	0.790"	4	0.157"
	> 1.60	> 0.062"			5.5	0.217"
#18 Ø 1.3 mm/ Ø 0.051"	≤ 2.10	≤ 0.082"	20	0.790"	4	0.157"
	> 2.10	> 0.082"			5.5	0.217"

## JMX receptacle assembly instructions

### JMXHH assembly (mounting suggestion)

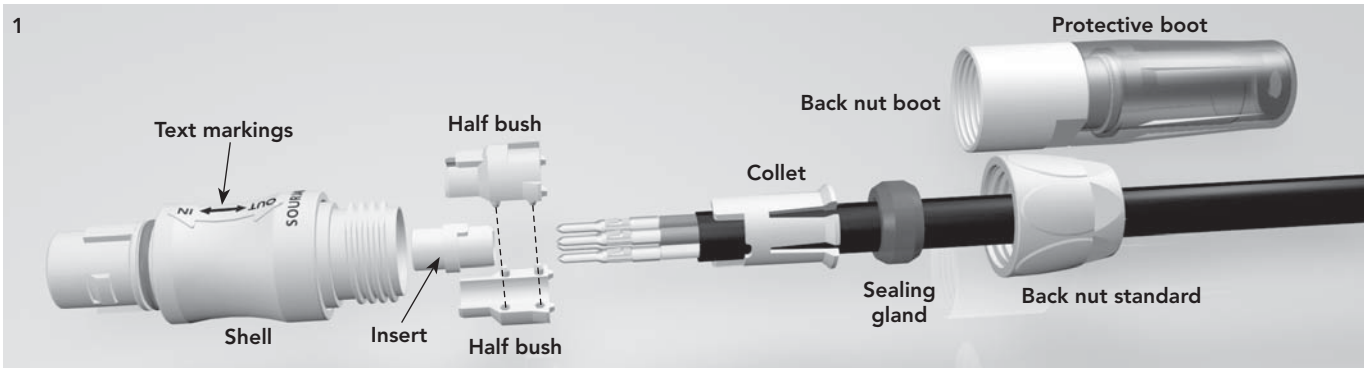
- 1) Solder or crimp the wires to the contacts (see pages 55 & 56)
- 2) Check carefully the presence of the o-ring on the receptacle
- 3) Place the receptacle in the panel cut out. Make sure the panel thickness is inferior to E maxi
- 4) Screw the hex nut to the bulkhead with a wrench according the recommended tightening torque
- 5) Insert contacts manually in the cavities for removable contacts versions



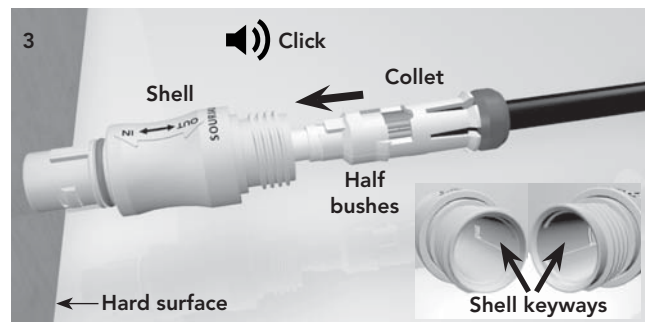
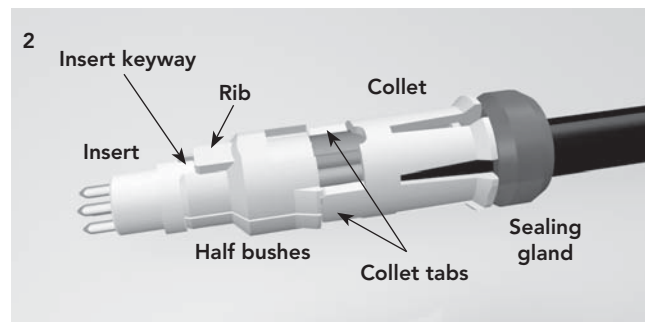
Tightening torque (Nm) maxi	Wrench size	E Panel maxi thicknesses	
		mm	inch
2.5	22 mm	8	0.177"

# JMX plug assembly instructions

## JMXFH assembly (mounting suggestion)

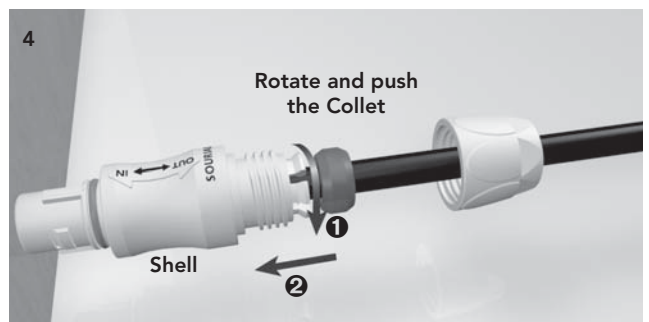
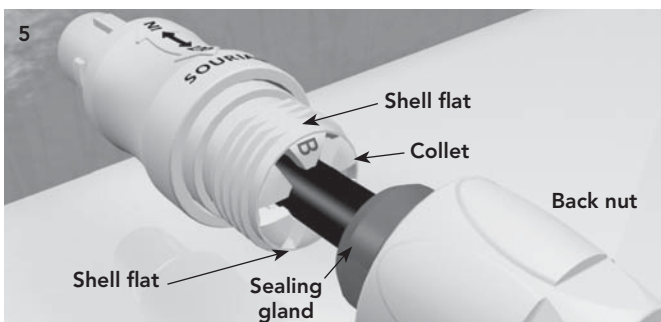


- 1) Slide the backnut, the sealing gland and the appropriate collet onto the cable. See sealing gland and collet table for the diameter choice.
- 2) Strip the external cable jacket and wires (see dimensions pages 55 & 56)
- 3) Solder or crimp the wires to the contacts (see pages 55 & 56).  
For removable contacts, insert them manually in the insert
- 4) Place the two half bushes on the insert by aligning the insert keyway and the half bush rib (fig. 2)
- 5) Place the collet making sure that the collet tabs come against the rear face of the halfbushes. The collet will be used as a tool to push the insert inside the shell (fig. 2)
- 6) Place the plug front face against a flat and hard surface (fig. 3)
- 7) With the help of the collet and the sealing gland, push all the sub-assembly in the connector shell until hearing an audible click. Ensure that the rib and the keyways of the half bushes are correctly aligned with the shell keyway (fig. 3)
- 8) Rotate slightly the collet (fig. 4) and push it ensuring an alignment between the letter (fig. 5) and one of the shell flat.
- 9) Slide the sealing gland against the collet and screw the backnut with a wrench according the recommended tightening torque



Note: For mass production SOURIAU have available tools to avoid proceeding to the step #7. Please consult us if needed.

Back nut wrench		Collet selection & sealing gland	
Wrench size (mm)	Torque (Nm)	Ø cable maxi	Indice
14	1.5	7.5mm/0.295"	A
		6.15mm/0.242"	B
		4.8mm/0.189"	C
		3.5mm/0.138"	D



Note: Assembly operations mentioned above shall not interfere or to be in contradiction with the IPC-WHMA-A-620B