SubConn® Circular Right Angle
6, 8 and 10 contacts

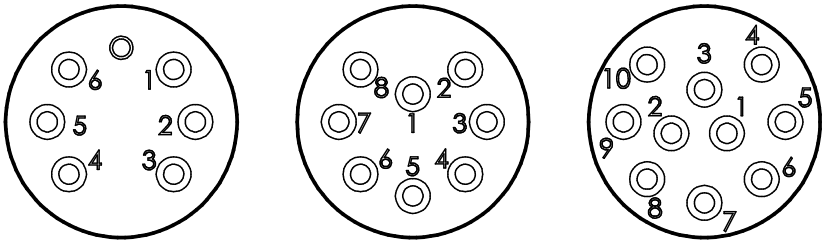
Connector specifications

Voltage rating	600 V DC/AC rms
Current rating	10 A per contact (max 50 A per connector)
Insulation resistance	> 200 MΩ
Contact resistance	< 0.01 Ω
Wet matings	> 500
Temperature rating (water)	- 4 to 60˚C, 25 to 140˚F
Temperature rating (air)	- 40 to 60˚C, - 40 to 140˚F
Storage temperature rating	- 40 to 60˚C, - 40 to 140˚F
Qualified pressure tested	1,400 bar, 20,300 psi (mated) 800 bar, 11,600 psi (open face)

Material specifications

Connector body	Chloroprene rubber
Contacts	Brass UNS - C36000
Location pin	AISI 303
Locking sleeves	POM or stainless steel
Snap rings	AISI 302
6 and 8 conductor inline cable (2 ft, 60 cm)	16 AWG, 1.31 mm^2 synthetic rubber
10 conductor inline cable (2 ft, 60 cm)	18 AWG, 0.82 mm^2 synthetic rubber

Face view (male)



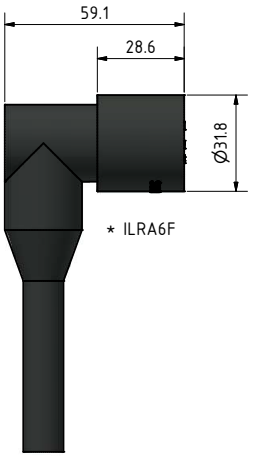
Inline cable colour code

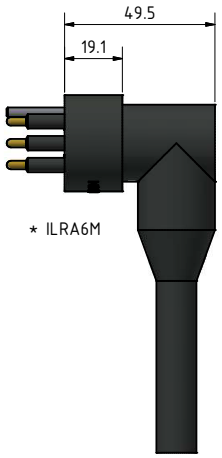
1 Black	4 Green	7 White/black	10 Orange/black
2 White	5 Orange	8 Red/black	
3 Red	6 Blue	9 Green/black	

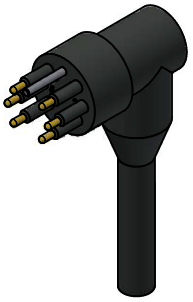
Additional information

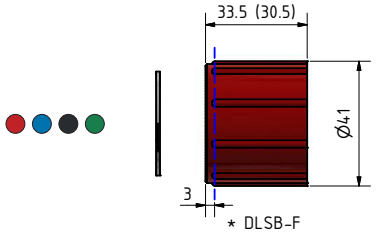
* Locking sleeve has to be modified to 30.5/21 to fit this RA connector

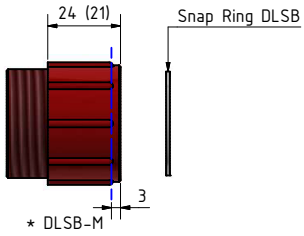
** When used with SubConn® Metal Shell 2400 locking sleeve has to be modified to 23.6/30.5 to fit this RA connector

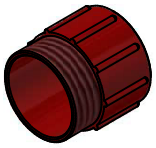


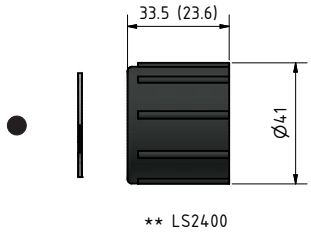


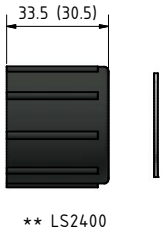


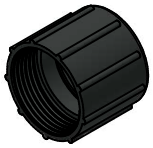


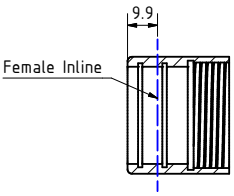


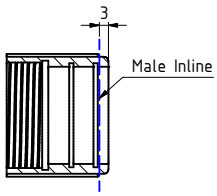












Drawing information

Dimensions in mm (1 mm = 0.03937 inches)
Threads in inches (1 inch = 25.4 mm)

Cable and wire lead information

Synthetic rubber cables – see page 141. Wire leads – see page 142.
For recommended PUR cables, please refer to the Polyurethane cables section.

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