SubConn® Data Metal Shell 2000 13 contacts

Connector specifications

Voltage rating

Voltage rating on data wire Current rating on power wire

Data rate

Insulation resistance Contact resistance Wet matings

Temperature rating (water) Temperature rating (air) Storage temperature rating Qualified pressure tested

600 V DC/AC rms 250 V DC/AC rms

4 A per contact (max 16 A per connector)

> 200 MΩ < 0.01 Ω > 500

- 4 to 60°C, 25 to 140°F - 40 to 60°C, - 40 to 140°F - 40 to 60°C, - 40 to 140°F 600 bar, 8,700 psi (open face)

Material specifications

Connector body Connector housing Contacts

O-rings Locking sleeves Snap rings

Bulkhead leads (3.3 ft, 100 cm)

Chloroprene rubber

Stainless steel AISI 316 (other materials on request) Female sockets in gold plated brass UNS - C36000 Male contacts in gold plated beryllium copper

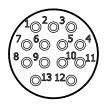
Nitrile

POM or stainless steel Stainless steel AISI 302

CAT 5E patch cable, 4 x 20 AWG, 0.52 mm² coloured PTFE

incl. RJ 45 connector (not installed)

Face view (male)



Leads colour code

1 Black 2 Screen (orange wire on bulkhead)

3 White

* Twisted pairs

4-5 Brown, Brown/white*

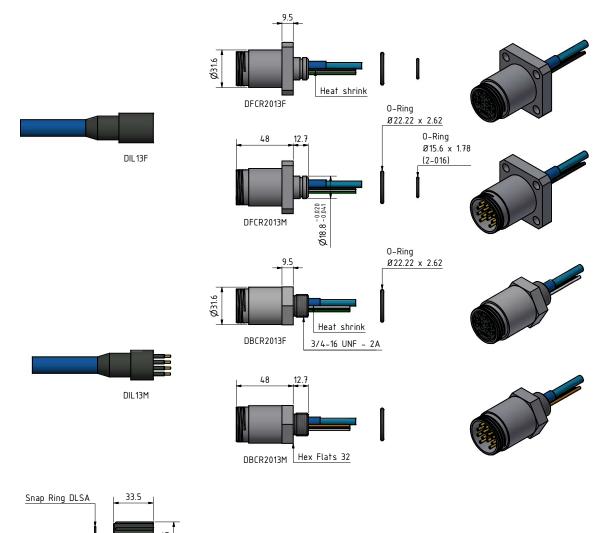
6-7 Blue, Blue/white* 8-9 Orange, Orange/white* 10-11 Green, Green/white*

12 Red 13 Green

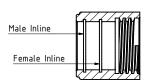
Edition 5.1 www.macartney.com







Snap ring placement



LS2000

With male inline connector - snap ring in outer groove

With female inline connector - snap ring in inner groove

Drawing information

Subject to change without notice. Visit MacArtney.com for latest revision

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 143. Wire leads – see page 144. For recommended PUR cables, please refer to the Polyurethane cables section.