

SubConn® Ethernet Metal Shell 2000

8 contacts

Connector specifications

Voltage rating	250 V AC rms
DC rating	85% of above AC rating
Data rate	1 Gbit/s (up to 75 m)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
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
Depth rating	600 bar, 8,700 psi

Material specifications

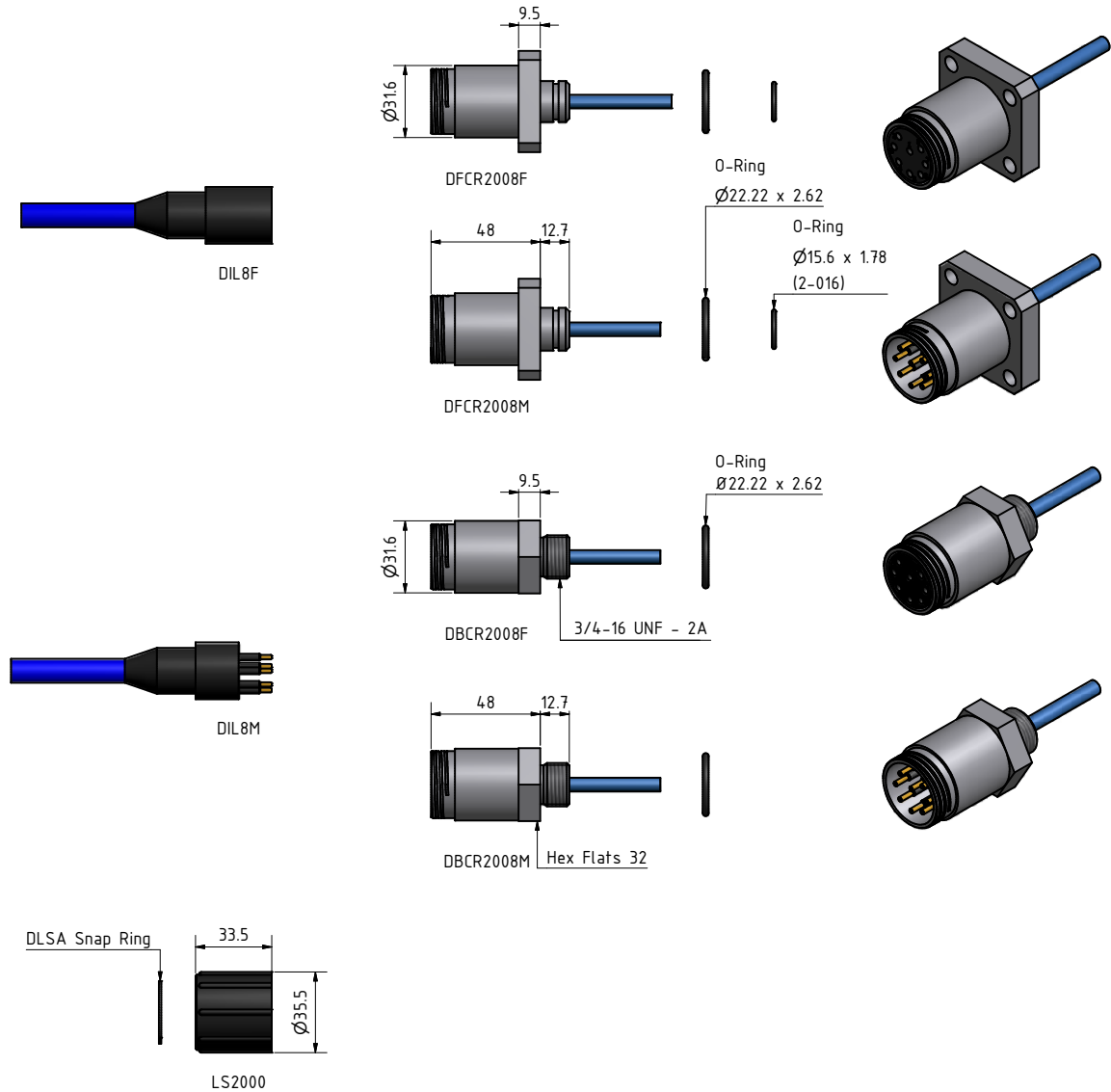
Connector body	Chloroprene rubber
Connector housing	Stainless steel AISI 316 (other materials on request)
Contacts	Female sockets in gold plated brass UNS - C36000 Male pins in gold plated beryllium copper
O-rings	Nitrile
Locking sleeves	POM
Snap rings	Stainless steel AISI 302
Inline cable (100 cm, 3.3 ft)	4 pair 24 AWG, 0.20 mm ² PUR
Bulkhead leads (100 cm, 3.3 ft)	CAT 5E patch cable incl. RJ 45 connector (not installed)

Face view (male)

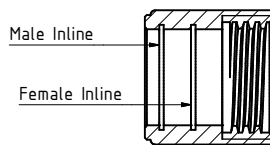


Inline cable colour code

- *1-2: Brown, Brown/white
- *3-4: Blue, Blue/white
- *5-6: Orange, Orange/white
- *7-8: Green, Green/white
- * Twisted pairs



Snap ring placement



With male inline connector - snap ring in outer groove

With female inline connector - snap ring in inner groove

Drawing information

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