

# SubConn® Ethernet Circular

## 8 contacts

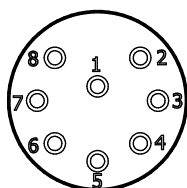
### Connector specifications

|                            |                                |
|----------------------------|--------------------------------|
| Voltage rating             | 250 V DC/AC rms                |
| Data rate                  | 1 Gbit/s (up to 75 m)          |
| 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  | 600 bar, 8,700 psi (open face) |
| Depth rating PEEK          | 300 bar, 4,350 psi             |

### Material specifications

|                                          |                                                                                                   |
|------------------------------------------|---------------------------------------------------------------------------------------------------|
| Connector body                           | Chloroprene rubber                                                                                |
| Bulkhead body                            | Brass, stainless steel, titanium, anodised aluminium or PEEK                                      |
| Bulkhead body (RA)                       | Brass, stainless steel, titanium or anodised aluminium                                            |
| Contacts                                 | Female sockets in gold plated brass UNS - C36000<br>Male contacts in gold plated beryllium copper |
| O-rings                                  | Nitrile                                                                                           |
| Locking sleeves                          | POM or stainless steel                                                                            |
| Locking sleeves (RA)                     | RADLSA-M (black POM)                                                                              |
| Snap rings                               | Stainless steel AISI 302                                                                          |
| Inline cable (3.3 ft, 100 cm)            | 4 pair 24 AWG, 0.20 mm <sup>2</sup> PUR                                                           |
| Bulkhead and PBOF leads (3.3 ft, 100 cm) | CAT 5E patch cable incl.<br>RJ 45 connector incl. on bulkhead (not installed)                     |
| OM leads (3") , 7 cm                     | CAT 5E patch cable                                                                                |

### Face view (male)



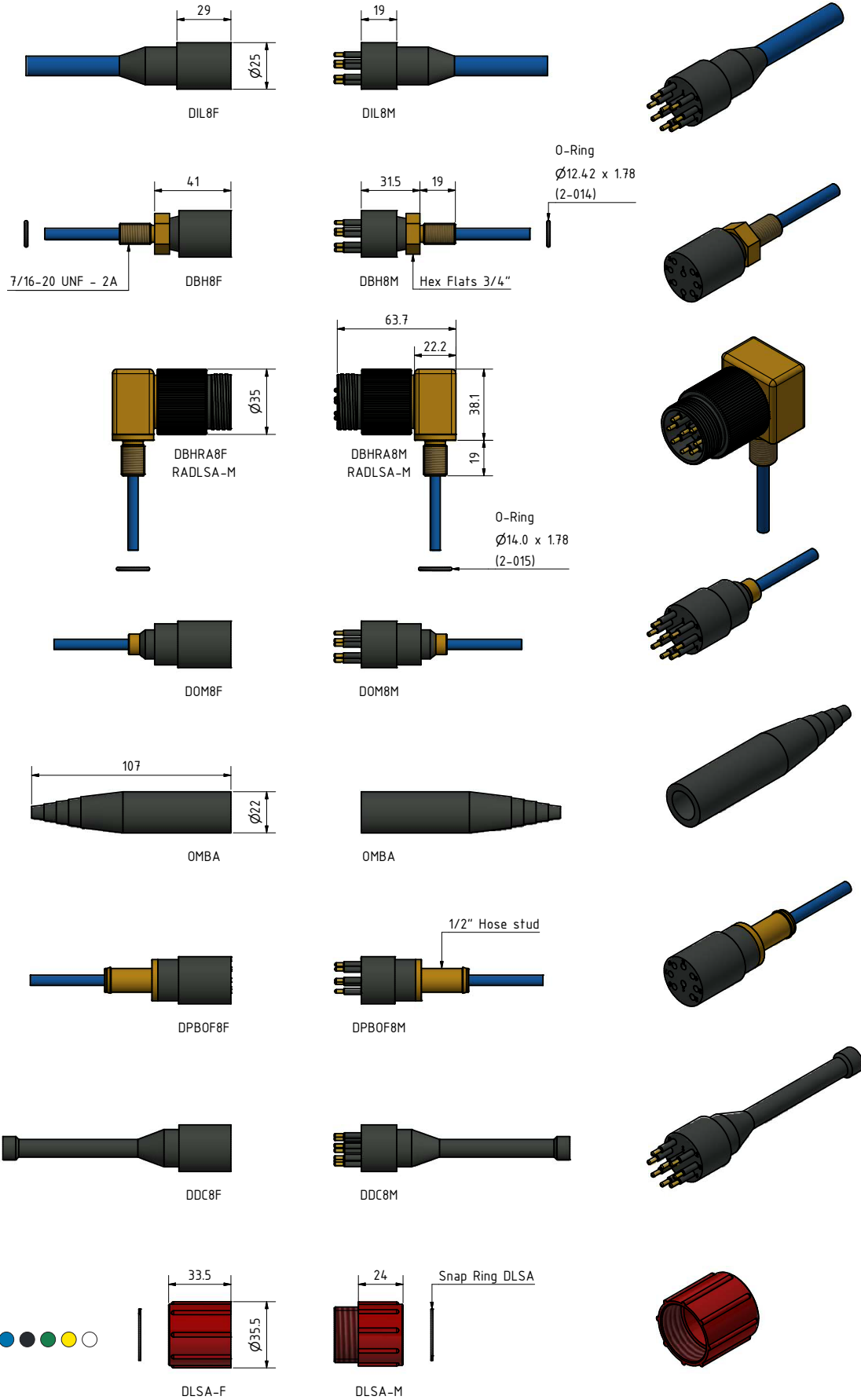
### Inline cable colour code

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

\* Twisted pairs

### Additional information

Standard RJ45 cannot be mounted on inline cable and will require a RJ45 Phoenix connector or equivalent.



## Drawing information

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