

# SubConn® Ethernet Circular

## Double O-ring, 8 and 13 contacts

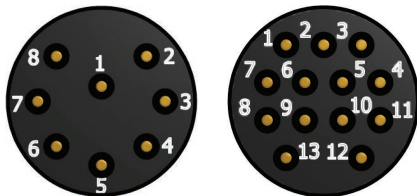
### Connector specifications

|                              |                                                             |
|------------------------------|-------------------------------------------------------------|
| Voltage rating               | 600 V DC/AC rms (13 contacts only)                          |
| Voltage rating on data wire  | 250 V DC/AC rms                                             |
| Current rating on power wire | 4 A per contact (max 16 A per connector) (13 contacts only) |
| Data rate                    | 1 Gbit/s                                                    |
| Insulation resistance        | > 200 Mohm                                                  |
| Contact resistance           | < 0.01 ohm                                                  |
| Wet matings                  | > 500 (open face rated)                                     |
| 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                                          |

### Material specifications

|                                 |                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------|
| Connector body                  | Chloroprene rubber                                                                    |
| Bulkhead body                   | Brass, stainless steel, titanium, anodised aluminium                                  |
| Contacts                        | Female sockets in gold plated brass UNS - C36000                                      |
|                                 | Male pins in gold plated beryllium copper                                             |
| O-rings                         | Nitrile                                                                               |
| Locking sleeves                 | POM or stainless steel                                                                |
| Snap rings                      | Stainless steel AISI 302                                                              |
| Bulkhead leads (3.3 ft, 100 cm) | CAT 5E patch cable, 5 x 20 AWG, 0.52 mm <sup>2</sup> coloured PTFE (13 contacts only) |
|                                 | incl. RJ 45 connector (not installed)                                                 |

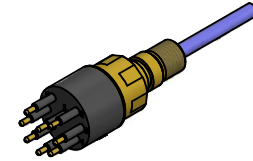
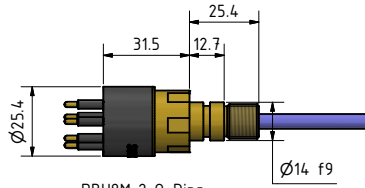
### Face view (male)





For more information  
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DIL8F  
DOM8F  
DPB0F8F  
DDC8F

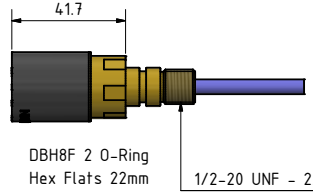


O-Ring  
Ø10.82 x 1.78  
(2-013)

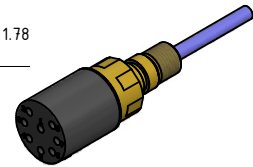


For more information  
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DIL8M  
DOM8M  
DPB0F8M  
DDC8M

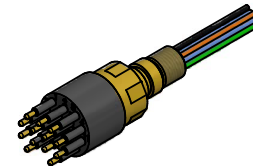


O-Ring  
Ø15.6 x 1.78  
(2-016)



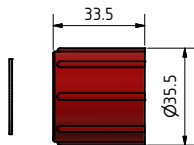
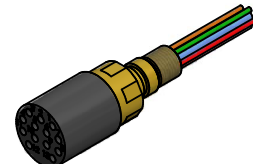
For more information  
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DIL13F  
DOM13F  
DPB0F13F  
DDC13F

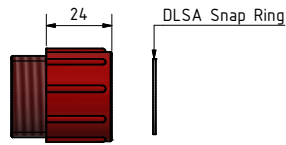


For more information  
see page 76/77

DIL13M  
DOM13M  
DPB0F13M  
DDC13M



DLSA-F



DLSA-M



## Drawing information

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

