

# SubConn® Ethernet Circular

## Double O-ring, 8 and 13 contacts

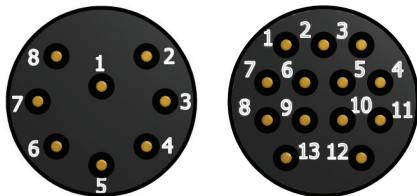
### Connector specifications

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)

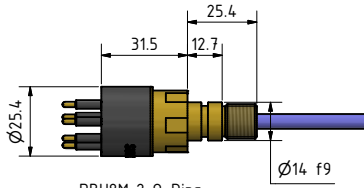
### Face view (male)



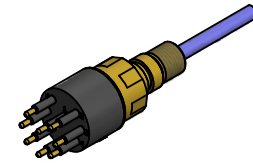


For more information  
see page 74/75

DIL8F  
DOM8F  
DPBOF8F  
DDC8F



DBH8M 2 O-Ring  
Hex Flats 22mm

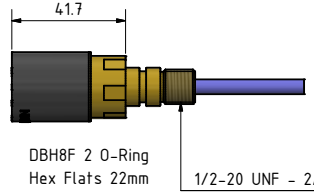


O-Ring  
ø10.82 x 1.78  
(2-013)



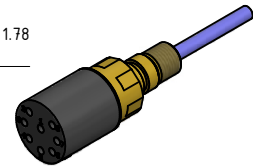
For more information  
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DIL8M  
DOM8M  
DPBOF8M  
DDC8M



DBH8F 2 O-Ring  
Hex Flats 22mm

O-Ring  
ø15.6 x 1.78  
(2-016)

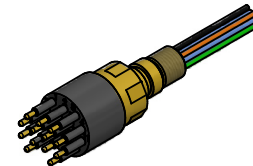


For more information  
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DIL13F  
DOM13F  
DPBOF13F  
DDC13F



DBH13M 2 O-Ring  
Hex Flats 22mm

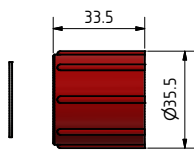
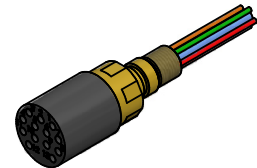


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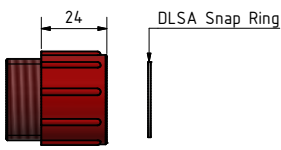
DIL13M  
DOM13M  
DPBOF13M  
DDC13M



DBH13F 2 O-Ring  
Hex Flats 22mm



DLSA-F



DLSA-M

DLSA Snap Ring



### Drawing information

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