

SubConn® HF Coax

50 Ω Coax (dry-mate)

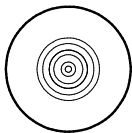
Connector specifications

Voltage rating on coax insert only					800 V, max nominal voltage					
Frequency*	0.3 GHz	0.6 GHz	0.9 GHz	1.2 GHz	1.5 GHz	1.8 GHz	2.1 GHz	2.4 GHz	2.7 GHz	3.0 GHz
Attenuation*	5.0 dB	7.7 dB	9.9 dB	11.6 dB	13.4 dB	15.3 dB	17.3 dB	19.3 dB	21 dB	22.5 dB
Recommended max frequency					3.0 GHz					
Insulation resistance					> 200 MΩ					
Contact resistance					< 0.01 Ω					
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 (mated)					

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium or anodised aluminium
Bulkhead body (RA)	Brass, stainless steel, titanium or anodised aluminium
Coax contacts	Gold plated contacts
O-rings	Nitrile
Locking sleeves	POM or stainless steel
Locking sleeves (RA)	RADLSA-M (black POM)
Snap rings	Stainless steel AISI 302
Inline cable (2 ft, 60 cm)	PUR jacket cable with RG58 coax
Coax bulkhead leads (3.3 ft, 100 cm)	RG316 coax

Face view (male)

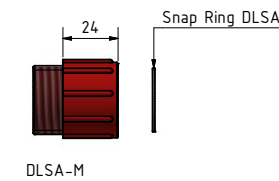
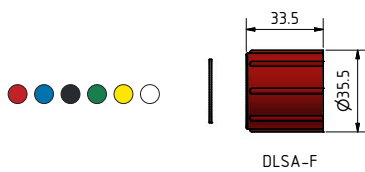
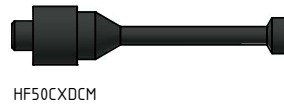
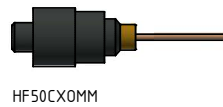
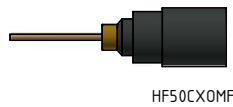
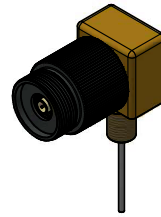
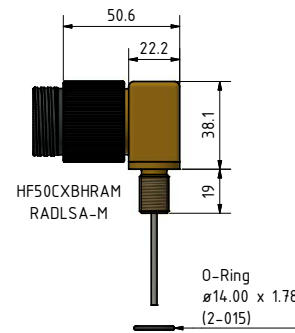
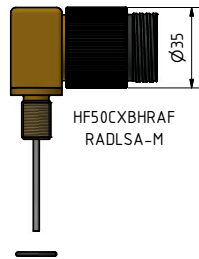
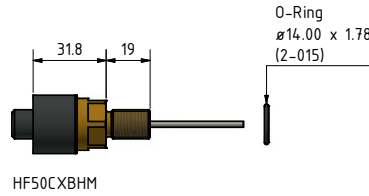
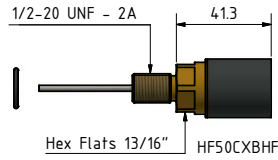
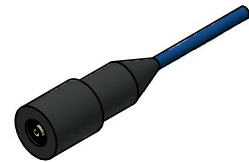
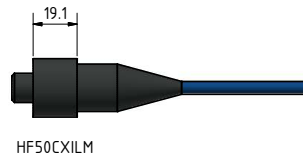
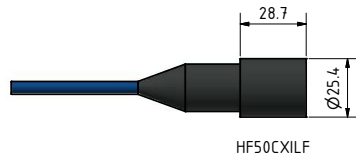


Additional information

*All frequency and attenuation values are based on a 10 meter cable assembly test including 2 bulkhead connectors (50 Ω).
BNC connector for RG316 coax leads use Amphenol 031-315-RFX or equivalent.
BNC connector for RG58 coax cables use Amphenol 112116 or equivalent.

Recommended SMB termination for Coax, check in Technical Information chapter.

SubConn® Coax connectors are designed for dry mating only. The Coax series is not suitable for open-face pressure or waterblock applications. Locking sleeves are required. Avoid greasing the actual coax part.



Drawing information

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