SubConn® HF Coax

75 Ω Coax (dry-mate)

Connector specifications

Voltage rating on coax insert only	600 V, max nominal voltage

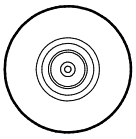
Frequency*	0.9 GHz	1.2 GHz	1.5 GHz	1.8 GHz	2.1 GHz	2.4 GHz	2.7 GHz	3.0 GHz
Attenuation*	6.3 dB	7.4 dB	8.6 dB	9.9 dB	11.3 dB	12.8 dB	14.5 dB	15.7 dB

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 Mini-RG59 coax
Coax bulkhead leads (3.3 ft, 100 cm)	RG179 coax

Face view (male)

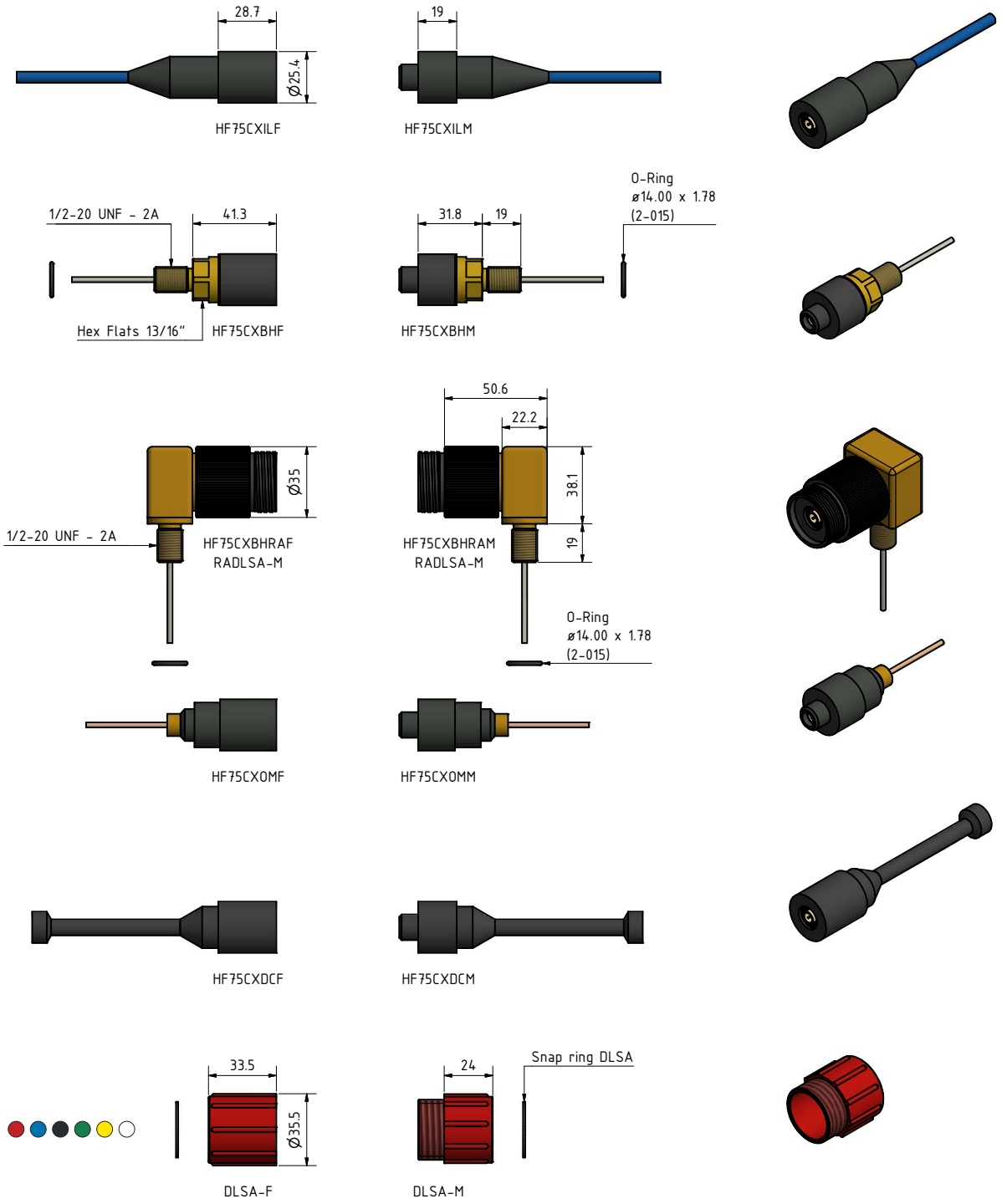


Additional information

* All frequency and attenuation values are based on a 10 meter cable assembly test including 2 bulkhead connectors (75 Ω).
BNC connector for RG179 coax leads use Amphenol 112133 or equivalent.
BNC connector for Mini-RG59 coax cable use Belden 1855ABHD3 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)

Cable and wire lead information

Synthetic rubber cables – see page 145. Wire leads – see page 146.
For recommended PUR cables, please refer to the Polyurethane cables section.

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