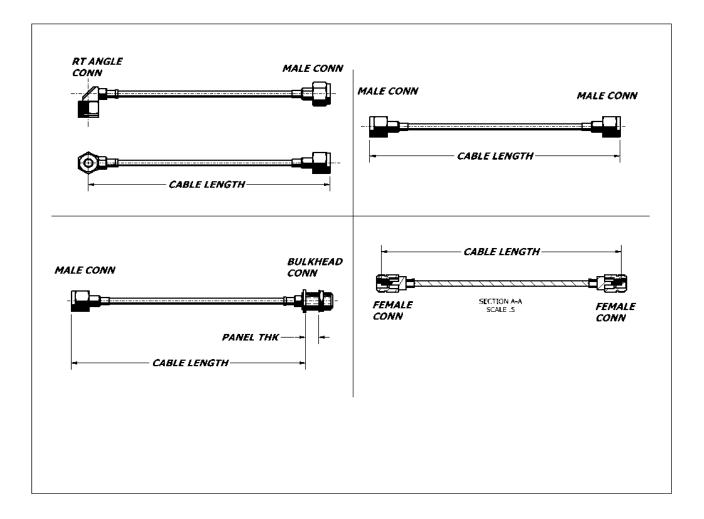# How to measure cable length and length tolerances

Cable measurements are taken differently based on the connector type:

Male Connector   Measure tip to tip

Female Connector   Measure pin to pin

Connector goes thru panel   Measure where it mounts to panel

Cable Length	Tolerance
0"-60" or 0" - 5'	+0.50"
61" - 120" or 5'-1" - 10'	+1.0"
121" - 480" or 10'-1" - 40'	+2.0"
481" up or 40'-1" up	+3.0"

Raw cable length tolerance is +/- 10%