	QMS Form	F-823-001
TCA logo	**TCA Default for Measuring and Dimensioning**	**Date: 12/03/2024**

Products built by Technical Cable Application (TCA), and TCA suppliers, will be measured as required by customer's documentation.

When the dimensional tolerance information is not present within customer documentation, TCA will apply the following rules which are based on *IPC/WHMA A-620* standard *latest revision*:

- ❖ **Cable length and breakout length tolerance** as required by *Chapter 11.1.*

- ❖ **Reference surface** for measuring assemblies which use **Straight and Right-Angle connectors**, as illustrated in *Chapter 11.2.*

- ❖ **Measuring overall cable length** as required by *Chapter 11.2.3.*

- ❖ **Measuring cable breakout** as required by *Chapter 11.2.4.*

- ❖ **Reference surface for wire with terminal** as required by *Chapter 11.3.*

For all **other dimensions** (as label location, tubing length, attached parts…) when tolerance is not defined by customer's documentation or by the IPC/WHMA A-620 standard, but a dimension is indicated on applicable documentation, TCA will apply following tolerance to the dimension:

Dimension	Tolerance
☐ 0" to 6"	-0" / + 0.25"
☐ >6" to 12"	-0" / + 0.5"
☐ >12" to 24"	-0" / + 0 .75"
☐ >24" to 40"	-0" / + 1"
☐ >40" to 60"	-0" / + 1.5"
☐ >60"	-0" / + 5% of nominal length