

**This guide was written to help installers achieve the best accuracy possible with Measurlogic RopeCT products.**

Measurlogic RopeCT accuracy can be dependent on the positioning of the conductor within the RopeCT. To achieve maximum accuracy with a RopeCT, it is best to install the RopeCT such that the conductor passes through the center of the RopeCT (Fig. 1).

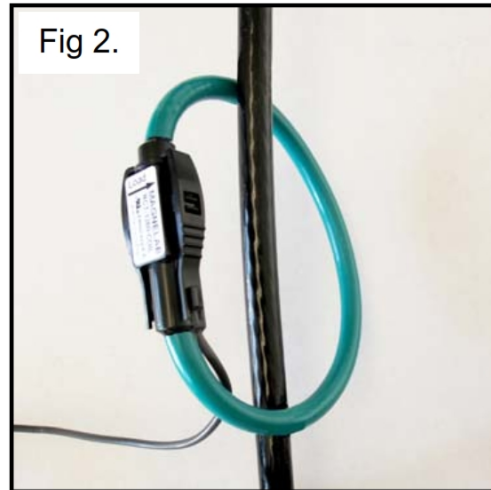
If it is impossible to place the conductor through the center of the loop in such a way that the loop is perpendicular to the conductor, then the next best method of placement is to hang the RopeCT off of the conductor such that the black connector is away from the conductor.

This method is illustrated in (Fig. 2) and should allow you to keep the linearity to near +/-1% error. It is easy to achieve this positioning with tie-wraps or similar verified non-conductive fastener.

Fig 1.



Fig 2.



Essentially The conductor is passing through postions 2, 1 and 4 as indicated in Fig. 3.

According to Fig. 3 the following accuracy values can be expected for a RopeCT with attached integrator or connected directly to a DTS meter.

	Position	Error
1	Centered in loop	<0.25%
2,3,4	Near outer edge	< 2.0%
5	Near connector	<5.0%

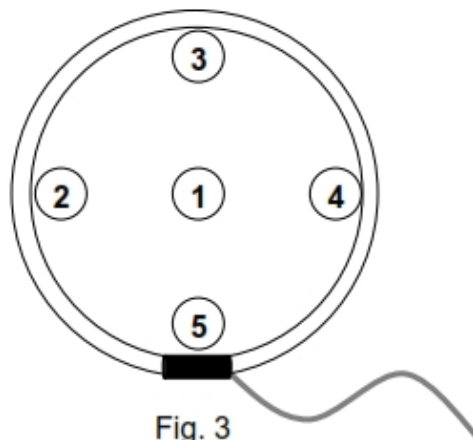


Fig. 3