

# Installation of Ruggedized Fiber Optic (FO) Cable between Instrument and Contact Probe

**CAUTION: Do not apply excessive forces (pull or shear) greater than 10 lb to the cable. Do not bend the cable to a sharp radius smaller than 2.0 inches.**

## Instrument Side:

1. Remove the tape holding the fittings to the FO cable.
2. Unscrew the spring portion of strain relief from the strain relief body.
3. Screw the SMA-SMA connector on the end of FO cable to the bundle matcher adaptor on the front panel of the instrument.
4. Screw the nipple to the knob of the bundle matcher on the front of the instrument. Caution!, If a wrench is used to tighten the nipple, do not apply more than 5 in-lb torque.
5. Screw the spring portion of the strain relief finger-tight until the FO cable is held snugly.

## Contact Probe Side:

1. Remove strain relief (body and spring portion) supplied with Contact Probe.
2. Remove the tape holding the fittings to the FO cable.
3. Separate the spring portion of the strain relief from the body of the strain relief and remove the FO cable and plastic collar.
4. Screw the adaptor into the Contact Probe until the O-ring is completely squeezed. Use a 3/4" or crescent wrench if necessary.
5. Place the spring part of the strain relief and the plastic collar on the FO cable and insert the FO tip into the Contact Probe until it reaches the stop.
6. Tighten the spring portion of the strain relief finger-tight to hold the FO cable.  
**NOTE: Make sure the FO tip stays butted against the stop in the Contact Probe while tightening the strain relief.**

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