Practicon® WireGuard™ X-ray Sensor Cable Protector

Instructions

During normal operation, digital X-ray sensor cables kink, coil and bend. Heavy objects rolled over them or set on top of them can damage their insulation. Over time, this constant wear can cause a short that makes them inoperable, leading to expensive repair or replacement. Invented and proven in a busy practice, **WireGuard** extends the life of sensitive digital sensors by protecting cables from damage due to kinks and compression.

WireGuard's ideal resiliency helps keep the sensor cable in a straighter position. Prevents uncontrolled coiling, bending, kinking and compression—and saves frustration too! With a slit down the entire length, it installs over any cable in minutes and stays in place for the life of the sensor. Silicone construction withstands all surface disinfectants. Available in two lengths, each kit is complete with parts for one sensor installation.

Parts included:
(1) 5 ft. or 8 ft. length of pre-slit silicone tubing
(2) 4″ tie wraps
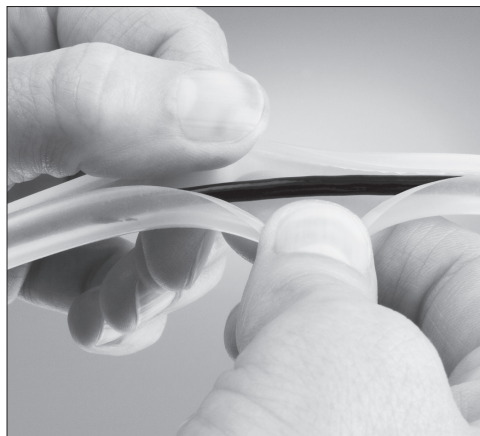(3) clear tape squares

Tools Needed:
Scissors

IMPORTANT: WireGuard does not replace the sensor manufacturer's warranty or maintenance plan. The user assumes full responsibility and liability for proper application and use of WireGuard.
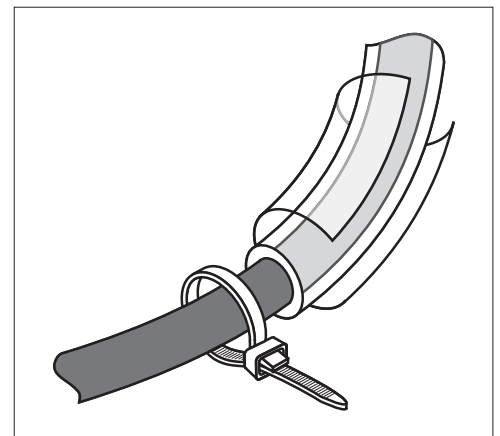
To install WireGuard:

1. Grasp either end of the WireGuard tube and open the slit of the tube with both hands.

2. Start feeding the sensor wire from the base of the USB connection into WireGuard so that none of the sensor wire is exposed. The slit edges should return to the closed position and touch, but SHOULD NOT overlap. The silicone protective sleeve will provide enough room for non-binding free movement of the sensor wire. Fasten the first end closed with the enclosed precut WireGuard clear tape.

3. Working toward the sensor, continue to feed the wire in one portion at a time. When finished feeding the wire through the WireGuard, you should have 8″-12″ of wire not enclosed in the WireGuard to allow for normal sensor use and cleaning. If you do not have 8″-12″ clearance, simply peel WireGuard back off the wire and cut the WireGuard tubing to the correct length.

4. Once WireGuard is in place, wrap the second end of WireGuard with the enclosed precut WireGuard clear tape (Figure 1).

   Note: If ends need to be re-wrapped in the future (one extra tape enclosed), use 2″ wide clear packaging tape.

5. To prevent the WireGuard from sliding toward the sensor, place the enclosed cable tie around the sensor wire next to the sensor end of the WireGuard (one extra cable tie included). Fasten the cable tie so that it is firm around the sensor wire but does not compress it (Figure 1). Cut the excess length off the cable tie.

6. Disinfect WireGuard by wiping with your choice of surface disinfectant after use. Products containing sodium hypochlorite (bleach) are not recommended.

Before WireGuard

After WireGuard

Pre-slit to install in minutes

Figure 1

US Pat. 7,781,674