

## Applications & Solutions

### Sheathing Types



Rigid and semi-rigid scopes are almost always sheathed using 304 stainless steel tubing.

Flexible scopes have a wide range of sheathing options. Plastic sheathings include nylon 6, nylon 11, Teflon and polyimide. Reinforced sheathings can have nylon braid, stainless braid and tungsten braid on the outside or monocoil for crush resistance on the inside.

Illumination bundles are normally sheathed in squarelock stainless tubing with nylon or PVC extruded on the OD. Sheathing is an area of constant innovation because the sheathing is what touches the product being inspected and controls the rigidity and ability to deliver the scope probe to and from the inspection site.