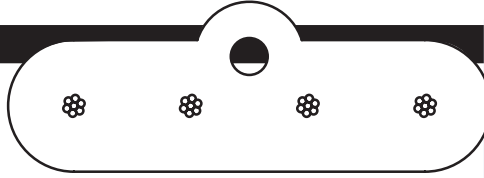


Specialty Cable

Extruded Breather Tube Cable

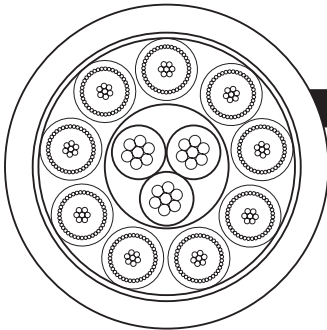
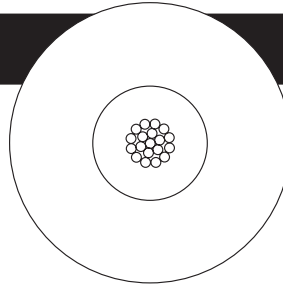
This cable incorporates a tube in the core, which is used to pass air to a diaphragm. The conductors are used in a bridge circuit to determine pressure. Prior to this design, each of the conductors was individually insulated and cabled with a tube for air flow. The 4 conductors are insulated with PVC in a single extrusion to reduce the cable cost.



Calmont's manufacturing capabilities are quite diverse. From high voltage silicone coextrusion to complex hybrid constructions, we can turn your engineering concept into a working prototype.

Coextruded High Voltage Silicone Rubber Insulated Wire

Calmont's coextruded silicone wire uses a semiconductive layer of silicone rubber applied over the conductor to increase the effective radius of the conductor, and to raise the corona inception voltage rating of the cable. The required voltage rating of the cable determines the thickness of the outer layer of insulating silicone rubber.

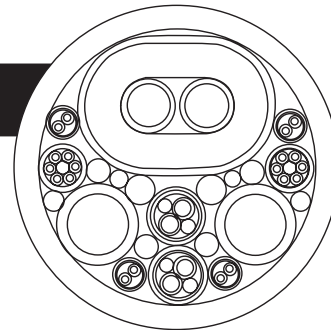


Hybrid Video Cable

This cable is used for medical imaging. The cable has 9 coaxial conductors for video data and 3 conductors for control. The coax conductors are miniature and are insulated and jacketed with FEP Teflon to reduce the cable size. The cable is shielded and jacketed with a polyurethane jacket for toughness, and is suitable for alcohol sterilization.

Medical Laser Power Control and Cooling Cable

This cable contains the power conductors for a medical laser, along with tubes for bringing cooling liquid to the laser. The cooling tubes are thermally insulated from the rest of the cable to maximize cooling efficiency. The wires are insulated with FEP Teflon to keep the cable OD as small as possible. Additional conductors are used for connection to sensors on the laser. The complete cable is jacketed with Santoprene for autoclavability.



Our customers are always moving toward more compact medical devices with greater functionality. Our ability to extrude extremely fine walls of Teflon coupled with our ability to integrate air lines into our medical cables provides our customers the means to reduce size drastically.

Breather Tube Cable

This cable incorporates a tube in the core which is used to pass air to a diaphragm. The conductors are used in conjunction with a bridge circuit to determine pressure. The conductors are insulated with FEP Teflon to reduce the cable diameter. Medical grade polyurethane is used for the jacket to allow for alcohol wipe down of the cable assembly.

