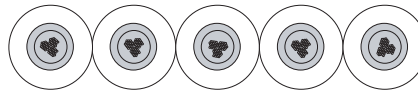


Instrumentation Wire and Cable

Specialty Cable

Robotic Shielded Single Conductor Ribbon Cable

This cable is used across the joints of a robotic arm to carry position signals. By utilizing high strength alloy conductors, FEP insulation, alloy shields and silicone rubber jackets bonded into a flat ribbon, Calmont created a cable capable of more than 15 million flex cycles.



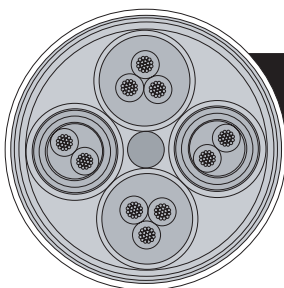
Calmont has a legacy of building flexible long life cables for critical applications.

There are unlimited combinations of components that can be incorporated into our Siliflex Ribbon Cables.

These may include shielded singles, twisted pairs, triads or quads. Mixed conductor sizes may also be used.

Robotic Machine Control Cable

This cable is used to send and receive data from a machine robot. This cable goes across the moving joint of a robot arm, and is subjected to over 1 million flexes during its life. The cable is made of 25 conductors of 26 AWG wires made with 66 strands of 44 AWG bare copper, insulated with FEP Teflon for mechanical strength and flexibility. Each conductor is then shielded for interference suppression. Each shielded conductor is then jacketed with silicone rubber for maximum flexibility. Finally, the 25 shielded conductors are bonded into a silicone ribbon cable.



Electromagnetic Interference (EMI) and Electromagnetic Pulse (EMP) Resistant Cable

This cable is shielded with two shields of differing magnetic properties. A high and low permeable alloy material is used for each layer of the cable for maximum deflection. This design has two twisted pairs and two twisted triads, each double shielded with a double shield over the core.

Calmont has the solution to your toughest cable noise problems.

From low cost simple PVC wires to specially formulated silicone leads, Calmont can build a test probe wire that meets your specifications or assist in developing a design.

Test Probe Wire

Single conductor wire using a high strand count conductor with silicone rubber for maximum flexibility. This wire is used on test probe leads on various electrical test instruments. The use of silicone rubber for the insulation provides superior high voltage protection for the user.

