

Instrumentation Wire and Cable

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Calmont manufactures a variety of instrumentation cables used for a wide spectrum of industries. These constructions are as varied as the industries they serve. The major types of instrumentation cables Calmont manufactures are:

APPLICATIONS

- Robotic
- Sensor
- Test and Measurement
- Low Noise

Robotic Cables

Robotic Cables applications pose an increasing challenge for Calmont. The increased functionality of today's robotic equipment require the use of smaller conductors in order to fit more conductors in the same space. At the same time, high technology manufacturing cannot tolerate downtime. Cables are expected to function for the lifetime of the equipment. The flexibility and long life requirements typically call for the use of high strand high strength alloy conductors and thin walled Teflon wires for size reduction. Silicone or chemical resistant polyurethane is commonly used for jacketing. Cable constructions may be used with or without cable track and may be flat or round constructions.

FEATURES

- High Flexural Fatigue Life
- Chemical Resistant
- High Tensile Strength

FluoroFlex FEP/Silicone Robotic Cables

PART NUMBER See How to Order Page for Information	AWG Size	Strands No./Size	Uninsulated Conductor Diameter	Insulated Conductor Diameter	Diameter Over Shield (Nominal)	Overall Diameter (Nominal)
TWO CONDUCTOR						
3006-029-24-2-C-CCC-S	24	41/40	.023	.031	.073	8.0
3006-029-26-2-C-CCC-S	26	66/44	.019	.024	.059	5.2
3006-029-28-2-C-CCC-S	28	41/44	.015	.020	.052	4.1
FOUR CONDUCTOR						
3006-029-24-4-C-CCC-S	24	41/40	.023	.031	.088	12.2
3006-029-26-4-C-CCC-S	26	66/44	.019	.024	.072	8.6
3006-029-28-4-C-CCC-S	28	41/44	.015	.020	.062	6.2
SIX CONDUCTOR						
3006-029-24-6-C-CCC-S	24	41/40	.023	.031	.107	17.5
3006-029-26-6-C-CCC-S	26	66/44	.019	.024	.086	11.6
3006-029-28-6-C-CCC-S	28	41/44	.015	.020	.074	8.6

Please see Calmont High Flex Product Section for complete specifications and additional sizes.
Please contact Calmont for information about integrating pneumatic and hydraulic tubing into your custom design.