Flexible Coaxial Cables

- Ideal for High Performance Video Transmission Applications
- Ultra Flexible Cable for Confined Area and Continuous Motion
- 1 - 8 Individual 50 or 75 Ohm Coax Conductors

Cicoil Flexible Coaxial Cables are ideal for high speed data and video applications that require flexibility, high & low temperature resistance and protection from very rugged environments. These 50 ohm and 75 ohm low capacitance cables feature low line to line skew, maximum signal integrity, low EMI and suppress crosstalk. And the flat cable construction guarantees clear, high speed data transmission, even in the toughest of environments.

Cable Specifications

Environmental
- Temperature Rating: -65°C to +165°C
- Moisture Rating: Submersible, Salt Water Resistant
- Clean Room Rating: Class 1, Zero Particulates
- Extreme Environments: Sunlight, UV Light, Alcohol, Chemical and Oil Resistant
- Electrical
  - Outer Jacket Dielectric Strength: 450 volts/mil (17.7 kv/mm)
  - See Electrical Dielectric Chart on Page 47

Mechanical
- Conductors: Ultra flexible, finely stranded, tinned copper
- Shielding: Ultra flexible, braided shields, with 90% nominal coverage
- Minimum Bend Radius:
  - 6x cable height for intermediate flex
  - 10x cable height for continuous flex
- Flex Life: 10,000,000 cycles nominal
- Outer Jacket Durometer Rating: 65 (Shore A)

Cable Assemblies

Notes
1. Amp rating is the maximum value for each conductor at room temperature of 70°F (21°C). Amp rating decreases as temperature increases.
2. Connector ratings may differ from cable ratings; refer to manufacturer specifications.

Options

- Additional Connectors: 26
- Low Friction Options: 28
- StripMount™ Integrated Mounting Strip: 28
- Integrated Tubing: 29
- SuperTuff™ Jacket: 29
- Colored Jacketing: 29
- Strip and Tin Cable Ends: 29
- FlexRail™ Self-Supporting Cable: 30
- Complete Assembly: 31

Please contact Cicoil for other connector and length options.