



INTRODUCTION

Carlisle Interconnect Technologies (CarlisleIT) is an expert in designing and manufacturing coil cords for harsh environment applications. CarlisleIT's coil cords provide a combination of strength, flexibility and resistance to harsh chemical environments across a wide range of operating temperatures.

A wide variety of materials are available to create the ideal coil cord for any application, and we are able to meet your full cable assembly needs by including your specific connector call-outs. Let CarlisleIT design and build your next coil cord.

ADVANTAGES

- » Performs in extreme temperatures
- » Resistant to most chemicals
- » Highly flexible
- » Long operating life

SPECIFICATIONS

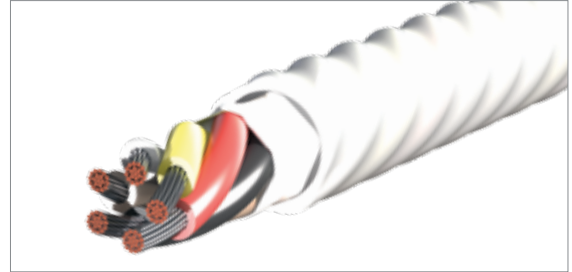
- » Coil Outer Diameter: Up to 3.0 in (7.6 cm)
- » Coiled Length: Up to 7 ft (2.1 m)
- » Operating Temperature: -55 to 200°C
- » Available in a wide range of cable jacket and internal wire material offerings, including Fluoropolymers
- » Full point-to-point continuity testing
- » 100% dimensional confirmations per customer specifications

TYPICAL APPLICATIONS

- » Sensor Cables
- » Instrumentation Connections
- » Steering Columns and Doors
- » Joystick Controls
- » Keyboard Cables
- » Down Hole Tools

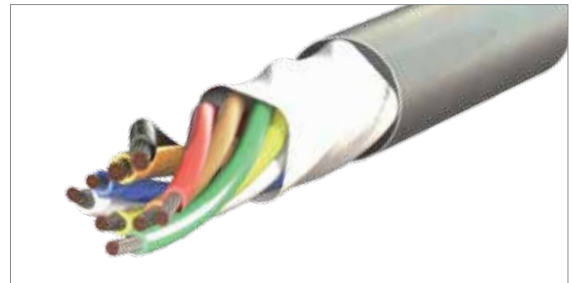
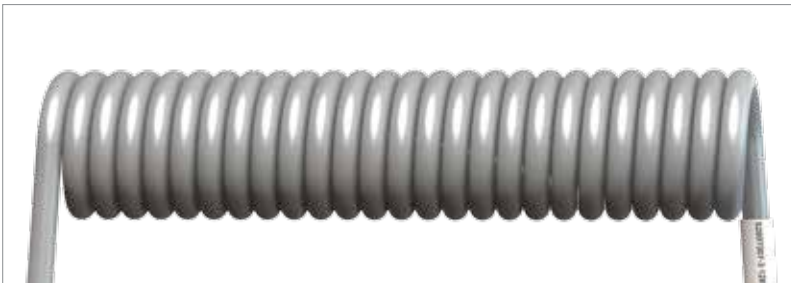
Example Coil Cords

Coil Cord 1



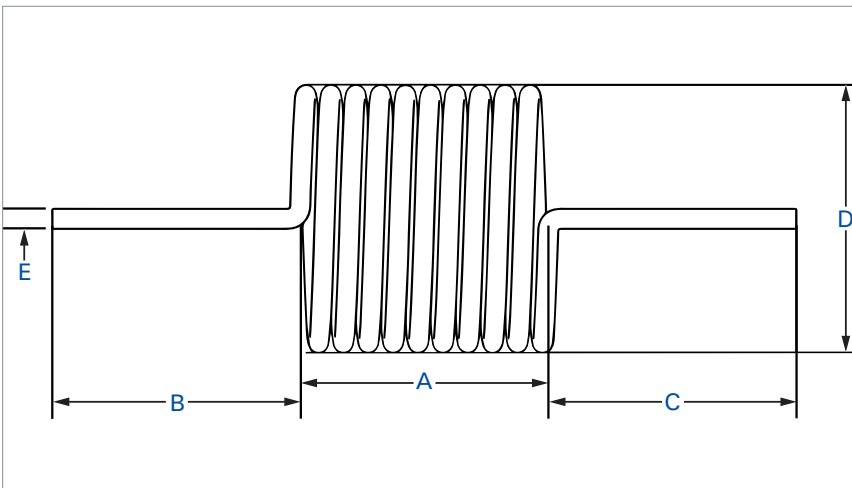
- » 5 twisted component wires, 24 AWG 19x36, PTFE/Polyimide composite
- » Seamless™ PTFE/Polyimide jacket
- » .145 in (.37 cm) cable diameter
- » 1.0 in (2.54 cm) coil diameter
- » 4.5 in (11.43 cm) coil length

Coil Cord 2



- » 4 twisted pairs, 20 AWG 19x32 and 22 AWG 19x34 with ETFE insulation
- » Hytrel® jacket
- » .270 in (.69 cm) cable diameter
- » 1.25 in (3.18 cm) coil diameter
- » 7.0 in (17.8 cm) coil length

Coil Cord Worksheet



Coil Information	
Coil Selection (A)	
Leading Tail Length (B)	
Trailing Tail Length (C)	
Coil OD (D)	
Cable OD (E)	
Jacket Material	
Required Temperature Rating	
Internal Wire Information	
Component Wire	Amount