

High Performance Industrial Coil Cords



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 operating temperature range.

A wide variety of materials are available to create the ideal coil cord for any application. Let CarlisleIT design and build your next coil cord.

ADVANTAGES

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

SPECIFICATIONS

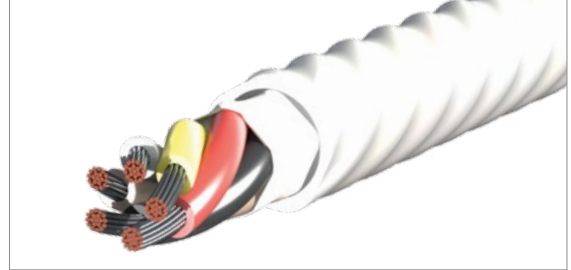
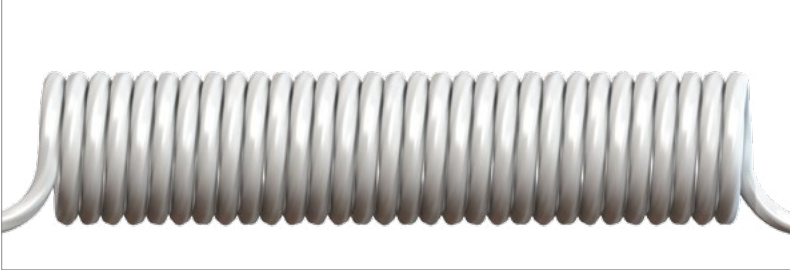
- » Coil outer diameter: Up to 3.0 in (7.6 cm)
- » Coiled length: Up to 7 ft (2.1 m)
- » Operating Temperature: -55 to 200°C
- » Jacket Materials: Polyurethane, Hytrel, Seamless™ PTFE Tape/Polyimide, FEP/Polyimide, Polyolefin
- » Internal Wires: PTFE, PTFE/Polyimide Composite, FEP, ETFE standard or custom data cables

TYPICAL APPLICATIONS

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

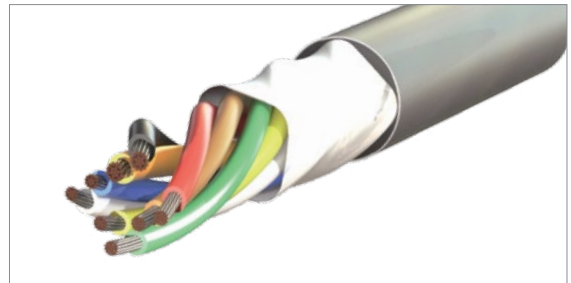
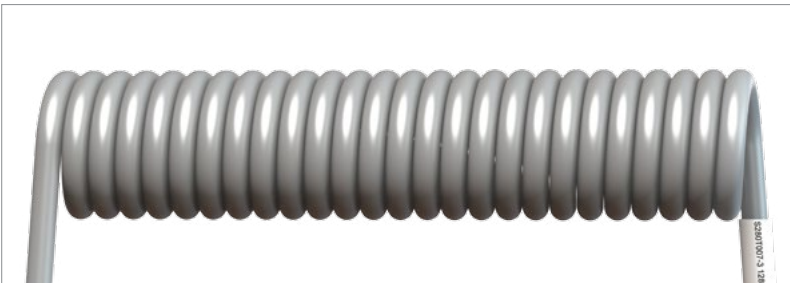
Example Coil Cords

Coil Cord 1



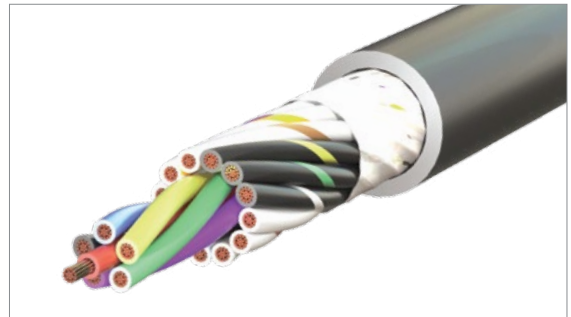
- » 5 twisted component wires, 24 AWG 19x36, PTFE/Polyimide composite
- » Seamless™ PTFE/Polyimide jacket
- » .145 in (.37 cm) cable diameter
- » 1.0 in (2.54 cm) coil diameter
- » 4.5 in (11.43 cm) coil length

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 3



- » 18 component wires, 24 AWG 19x36 with ETFE insulation
- » Polyolefin jacket
- » .250 in (.64 cm) cable diameter
- » 2.4 in (6.05 cm) coil diameter
- » 2.1 in (5.33 cm) coil length