

High-Performance Industrial Coil Cords



INTRODUCTION

We are experts in designing and manufacturing coil cords for harsh environment applications. Our 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 us 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 & Doors
- » Joystick Controls
- » Keyboard Cables
- » Down Hole Tools

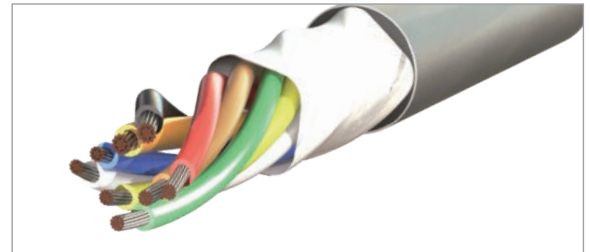
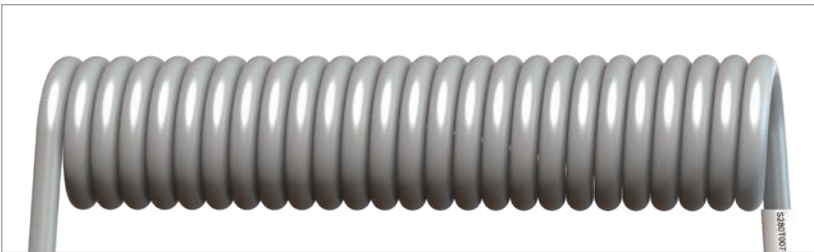
High-Performance Industrial Coil Cords

COIL CORD 1



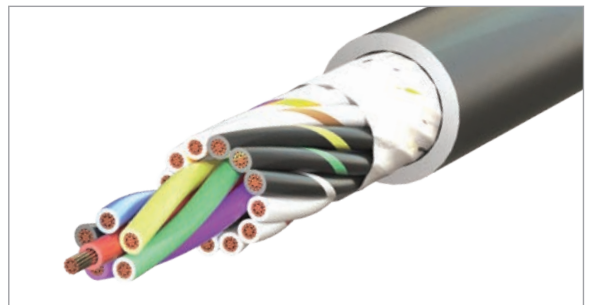
- » 5 twisted component wires, 24 AWG 19x36, PTFE/Polyimide composite
- » Seamless PTFE/Polyimide jacket
- » .145 in (.37 cm) cable diameter
- » 1.0 in (2.54 cm) coil diameter
- » 4.5 in (11.43 cm) coil length

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

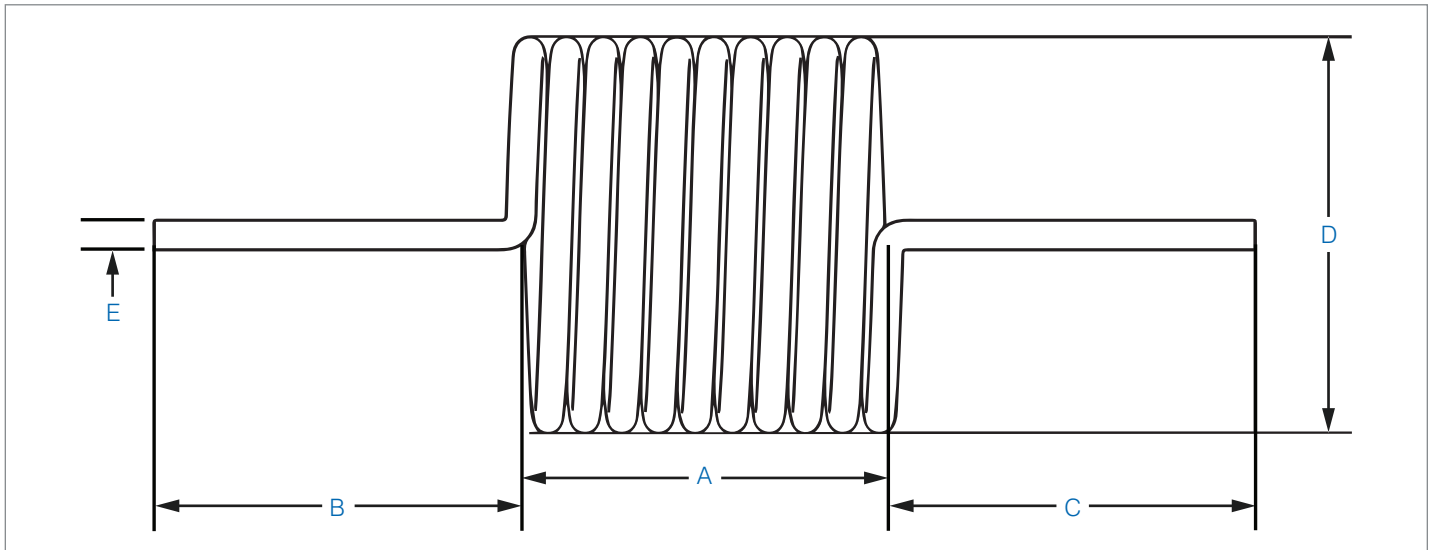


- » 18 component wires, 24 AWG 19x36 with ETFE insulation
- » Polyolefin jacket
- » .250 in (.64 cm) cable diameter
- » 2.4 in (6.05 cm) coil diameter
- » 2.1 in (5.33 cm) coil length

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Worksheet

Coil Cord Diagram

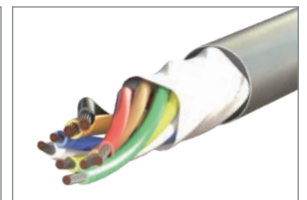
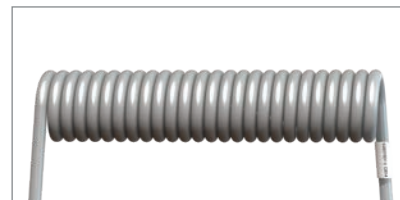
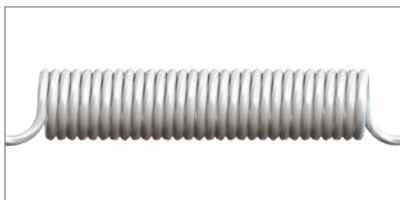


Customer Information	
Date	
Requested By	
Company Name	
Volume	
Application	
Special Requirements:	

Coil Information	
Coil Selection (A)	
Leading Tail Length (B)	
Trailing Tail Length (C)	
Coil OD (D)	
Cable OD (E)	
Jacket Material	
Temperature Rating (-55 to 200 °C)	

Internal Wire Information	
Component Wire	Amount

Coil Cord Examples



- » 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

- » 4 twisted pairs, 20 AWG 19x32 and 22 AWG 19x34 with ETFE insulation
- » Hytrel jacket
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Global Manufacturing. Local Support.

Wherever you are, so are we. With manufacturing centers around the globe, our highly qualified team is up to any challenge. Our extensive worldwide manufacturing capabilities, coupled with end-to-end local project management and engineering support, allow us to design, build, test, and certify your product in-house, saving you the time and hassle of managing multiple vendors.



FACILITIES CERTIFICATIONS



Visit our website to view certifications listed by site.

HEADQUARTERS

100 Tensolite Drive
St. Augustine, FL 32092
United States

PRODUCT CERTIFICATIONS



AmphenolCIT
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Contact us directly for products engineered to your specific compliance needs.

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