

W H I T N E Y B L A K E C O M P A N Y



KOILED KORDS™



Y O U R I N T E R C O N N E C T S O L U T I O N C O M P A N Y

www.whitneyblake.com

ISO 9001: 2000 Certified

“Koiled Kords™ — Whitney Blake’s
answer to your retractile cord
requirements.”



The pulse of the world’s cable market can be measured by
Whitney Blake’s Koiled Kord business. Koiled Kord has become a
known brand name throughout the entire wire and cable industry as
the cord of choice for a myriad of applications.

Whether you are an OEM or distributing wire and cable products, our in-stock
Koiled Kords deliver product consistency and reliability right off the shelf.

In-stock cords are being used in computers, bar code readers,
medical equipment, material handling equipment, production line tools,
virtually all types of commercial vehicles, and in a wide variety
of instrumentation and testing devices throughout many markets.

Imagine an application...we just might have an in-stock
Koiled Kord waiting for it. If we don’t, we can custom
build to meet your requirements in record time.

Features such as conductors color coded to your specifications,
tinsel or stranded wire, wire sizes ranging from 8 AWG to 32 AWG,
stranded tinned soft copper or alloy wire, to name just a few,
are capabilities available to you. Getting product the way you want it
and when you want is quicker and easier than ever before.
Custom or in-stock, material options for Koiled Kords are practically endless...
natural rubber, EPDM, SBR, PVC, TPR, Nylon®, Polyethylene, Santoprene®,
Polypropylene, Hytrei®, Neoprene® and Teflon® to name a few.

Our in-stock cords offer a wide variety of wire gauges, insulation
and jacketing options, termination choices, shielding possibilities
and conductor counts to fit many applications “right off the shelf.”

Stock or custom, all Koiled Kords pass the same high stringent
quality standards that every Whitney Blake product must meet.
Many OEM’s across the country utilize our stock cords simply because of the
availability and consistent quality that only Whitney Blake can offer.

Features of **Whitney Blake Koiled Kords...**

- Koiled Kords are manufactured in a wide range of thermoset and thermoplastic materials, color also available in thermoplastics
- Koiled Kords are engineered to meet a variety of needs including; power supply, communication, test leads and control cables
- Koiled Kords are rated for outdoor use and are water resistant
- Koiled Kords may be manufactured to accommodate custom termination & over molding
- Koiled Kords are available, upon request, with special retractable lengths and tangents

LIGHT DUTY / TYPE: SVO

- Neoprene Jacket
- 300 V Cord
- UL Listed
- CSA Certified

PART NUMBER	AWG SIZE	# COND.	UL TYPE	STRAND	MAX. VOLT	AMPS	TEMP. RATING	CORD O.D.	RET. LGTH. FT.	PRIMARY COND. COLOR	COIL O.D.	LBS / CORD
4-8001-00-91	18	2	SVO	41/34	300	7	60	.260	4	BK, W	.875	1.15
4-8001-89-91	18	2	SVO	41/34	300	7	60	.260	2	BK, W	.875	.63
4-8003-00-91	18	3	SVO	41/34	300	10/7	60	.275	4	BK, W, G	1.00	1.46
4-8003-89-91	18	3	SVO	41/34	300	10/7	60	.275	2	BK, W, G	1.00	.87

MEDIUM DUTY / TYPE: SJOW

- Neoprene Jacket
- 300 V Cord
- UL Listed
- CUL Listed
- CSA Certified

PART NUMBER	AWG SIZE	# COND.	UL TYPE	STRAND	MAX. VOLT	AMPS	TEMP. RATING	CORD O.D.	RET. LGTH. FT.	PRIMARY COND. COLOR	COIL O.D.	LBS / CORD
4-8011-00-91W	18	2	SJOW	41/34	300	10	90	.320	4	BK, W	1.19	1.75
4-8011-89-91W	18	2	SJOW	41/34	300	10	90	.320	2	BK, W	1.19	1.03
4-8013-00-91W	18	3	SJOW	41/34	300	10/7	90	.350	4	BK, W, G	1.25	2.3
4-8013-89-91W	18	3	SJOW	41/34	300	10/7	90	.350	2	BK, W, G	1.25	1.3
4-8014-00-91W	18	4	SJOW	41/34	300	7/5.6	90	.380	4	BK, W, R, G	1.31	2.13
4-8014-89-91W	18	4	SJOW	41/34	300	7/5.6	90	.380	2	BK, W, R, G	1.31	1.5
4-8015-00-91W	18	5	SJOW	41/34	300	7/5.6	90	.440	4	BK, W, R, G, OE	1.63	4.1
4-8015-89-91W	18	5	SJOW	41/34	300	5.6	90	.440	2	BK, W, R, G, OE	1.63	2.08
4-8017-00-91	18	7	*	41/34	300	4.9	60	.500	4	BK, W, G, R, BE, BN, Y	1.88	4.4
4-8017-89-91	18	7	*	41/34	300	4.9	60	.500	2	BK, W, G, R, BE, BN, Y	1.88	2.6
4-8008-00-91	18	15	**	41/34	300	4.9	60	.575	4	BK, W, G, R, OE	2.03	6.6
4-8008-89-91	18	15	**	41/34	300	4.9	60	.575	2	BE, Y, BN, SE, PE	2.03	3.8
4-8022-00-91W	16	2	SJOW	65/34	300	13	90	.360	4	BK, W	1.25	2.27
4-8022-89-91W	16	2	SJOW	65/34	300	13	90	.360	2	BK, W	1.25	1.3
4-8023-00-91W	16	3	SJOW	65/34	300	13/10	90	.385	4	BK, W, G	1.31	2.72
4-8023-89-91W	16	3	SJOW	65/34	300	13/10	90	.385	2	BK, W, G	1.31	1.5
4-8024-00-91W	16	4	SJOW	65/34	300	10/8	90	.420	4	BK, W, R, G	1.50	3.1
4-8024-89-91W	16	4	SJOW	65/34	300	13	90	.420	2	BK, W, R, G	1.50	1.9
4-8047-99-92	12	7	***	65/30	300	14	60	.775	4	R, BK, OE, W, G, BE, BN	2.55	13.0
4-8047-89-92	12	7	***	65/30	300	14	60	.775	2	R, BK, OE, W, G, BE, BN	2.55	6.3

HEAVY DUTY / TYPE: SOW

- Neoprene Jacket
- 600 V Cord
- UL Listed
- CUL Listed
- CSA Certified

PART NUMBER	AWG SIZE	# COND.	UL TYPE	STRAND	MAX. VOLT	AMPS	TEMP. RATING	CORD O.D.	RET. LGTH. FT.	PRIMARY COND. COLOR	COIL O.D.	LBS / CORD
4-8063-00-91W	18	3	SOW	41/34	600	10/7	90	.385	4	BK, W, G	1.31	2.52
4-8063-89-91W	18	3	SOW	41/34	600	10/7	90	.385	2	BK, W, G	1.31	1.6
4-8064-00-91W	18	4	SOW	41/34	600	7/5.6	90	.415	4	BK, W, R, G	1.50	3.03
4-8064-89-91W	18	4	SOW	41/34	600	7/5.6	90	.415	2	BK, W, R, G	1.50	1.8
4-8093-00-91W	16	3	SOW	65/34	600	13/10	90	.415	4	BK, W, G	1.50	3.1
4-8093-89-91W	16	3	SOW	65/34	600	13/10	90	.415	2	BK, W, G	1.50	1.5
4-8094-00-91W	16	4	SOW	65/34	600	10/8	90	.445	4	BK, W, R, G	1.63	4.5
4-8094-89-91W	16	4	SOW	65/34	600	10/8	90	.445	2	BK, W, R, G	1.63	2.4
4-8095-00-91W	16	5	SOW	65/34	600	8	90	.525	4	BK, W, R, G, OE	1.81	4.9
4-8095-89-91W	16	5	SOW	65/34	600	8	90	.525	2	BK, W, R, G, OE	1.81	2.8
4-8096-00-91W	16	6	SOW	65/34	600	8	90	.575	4	BK, W, R, G, OE, BE	2.03	6.2
4-8096-89-91W	16	6	SOW	65/34	600	8	90	.575	2	BK, W, R, G, OE, BE	2.03	3.4
4-8097-00-91W	16	7	SOW	65/34	600	7	90	.575	4	BK, W, R, G, OE, BE, Y	2.03	6.5
4-8097-89-91W	16	7	SOW	65/34	600	7	90	.575	2	BK, W, R, G, OE, BE, Y	2.03	3.5
4-8027-89-91W	6/16-1/14	7	SOW	65/34-41/30	600	10.5/7	90	.600	2	BK, Y, R, G, BN, BE, W	2.25	3.9
4-8027-00-91W	6/16-1/14	7	SOW	65/34-41/30	600	10.5/8	90	.600	4	BK, Y, R, G, BN, BE, W	2.25	7.9
4-8099-00-91W	16	8	SOW	65/34	600	9.1/7	90	.605	4	BK, W, R, G, OE, BE, Y, BN	2.10	7.4
4-8099-89-91W	16	8	SOW	65/34	600	9.1/7	90	.605	2	BK, W, R, G, OE, BE, Y, BN	2.10	4.1
4-8032-00-91W	14	2	SOW	41/30	600	18	90	.520	4	BK, W	1.81	4.0
4-8032-89-91W	14	2	SOW	41/30	600	18	90	.520	2	BK, W	1.81	2.5
4-8033-00-91W	14	3	SOW	41/30	600	18/15	90	.545	4	BK, W, G	2.00	5.9
4-8033-89-91W	14	3	SOW	41/30	600	18/15	90	.545	2	BK, W, G	2.00	3.0
4-8034-00-91W	14	4	SOW	41/30	600	15/12	90	.590	4	BK, W, R, G	2.06	6.3
4-8034-89-91W	14	4	SOW	41/30	600	15/12	90	.590	2	BK, W, R, G	2.06	3.17
4-8042-00-91W	12	2	SOW	65/30	600	25	90	.600	4	BK, W	2.25	6.7
4-8042-89-91W	12	2	SOW	65/30	600	25	90	.600	2	BK, W	2.25	3.8
4-8043-00-91W	12	3	SOW	65/30	600	25/20	90	.630	4	BK, W, G	2.25	7.0
4-8043-89-91W	12	3	SOW	65/30	600	25/20	90	.630	2	BK, W, G	2.25	4.2
4-8044-00-91W	12	4	SOW	65/30	600	20/16	90	.680	4	BK, W, R, G	2.38	9.0
4-8044-89-91W	12	4	SOW	65/30	600	20/16	90	.680	2	BK, W, R, G	2.38	4.8
4-8056-00-91	2/12-4/18	6	**	41/34-65/30	600	5.6/16	60	.610	4	BK, W, G, R, BK, W	2.25	7.8

FEATURES OF WHITNEY BLAKE RETRACTILE CORDS:

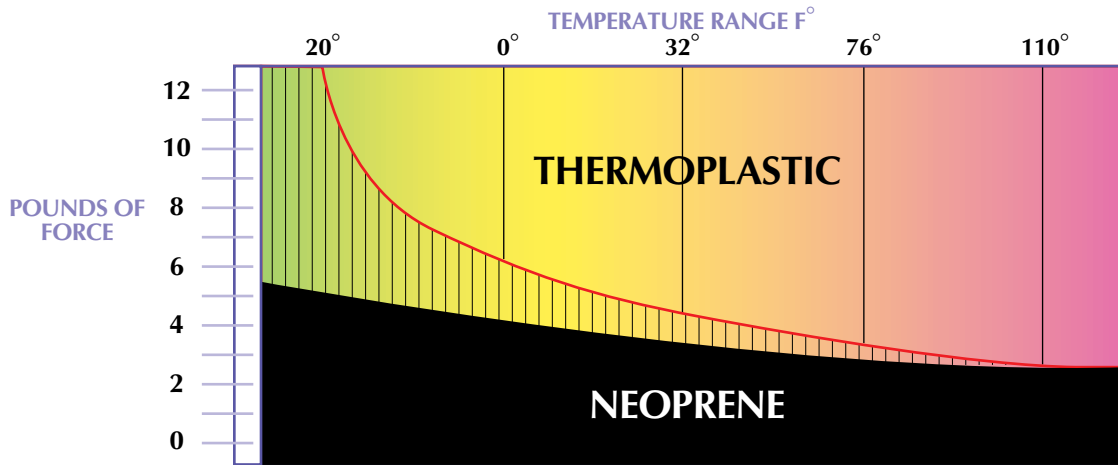
- Stranded, bare copper conductors separator over conductors
- Color-coded rubber insulation
- Separator over core
- Neoprene® jacket overall 60°C (140°F), W Rated 90°C (194°F)
- Ends: Six-inch blunt cut
- Surface printed for identification where applicable



NOTES: (for these 3 charts)

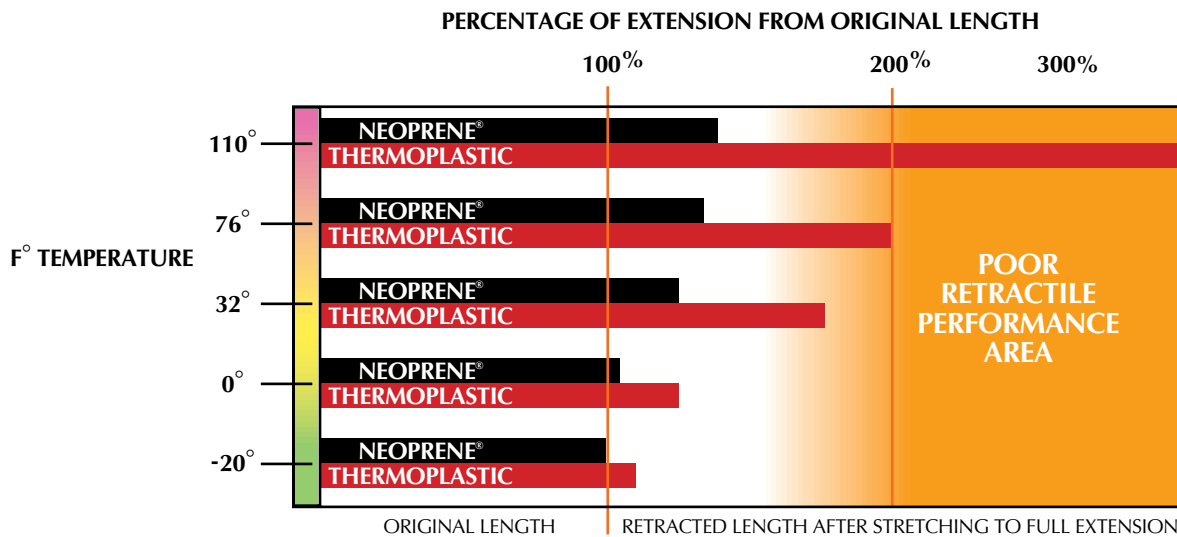
- * UL Style 4329 as appliance wiring. Not CSA Certified.
- ** Not listed by UL or CSA Certified
- *** Rubber Jacket

TEMPERATURE PERFORMANCE COMPARISON



THERMOPLASTIC REQUIRES MORE FORCE TO STRETCH

RETRACTILE PERFORMANCE COMPARISON



POOR PERFORMANCE INDICATED IN SHADED ORANGE AREA

CHEMICAL RESISTANCE COMPARISON

CHEMICAL RESISTANCE OF JACKETING MATERIALS

	PVC	POLYURETHANE	TPE	NEOPRENE®	RUBBER
BODY OILS	●	●	●	●	●
PAINTED SURFACES	●	●	●	●	
PLASTIC SURFACES	●	●	●	●	
AMMONIA CLEANERS				●	●
ALCOHOL/TOLUENE				●	●
FOOD OILS/GREASE	●	●	●	●	●
FURNITURE POLISH	●	●	●	●	
ULTRAVIOLET	●	●	●	●	●

COMMUNICATION CORDS - UNSHIELDED COMPONENTS

- Neoprene® Jacket
- Conductors are #23 AWG (21 strands #36) tinned soft copper
- 300 volts maximum working voltage
- 1 ampere allowable current capacity
- 4 ft. retracted / 20 ft. extended
- 2 ft. retracted / 10 ft. extended
- 60°C continuous service temperature



PART NUMBER	AWG SIZE	# COND.	UL TYPE	STRAND	MAX. VOLTAGE	AMPS	CORD O.D.	CONDUCTOR CORD COLOR	COIL O.D.	RET. LGTH. FT.	EXTEND LGTH. FT.	LBS / CORD
4-4007-00-91	23	3	-	21/36	300	1	.220	BK, W, R	.75	4	20	.8
4-4007-89-91	23	3	-	21/36	300	1	.220	BK, W, R	.75	2	10	.49
4-4017-00-91	23	2	-	21/36	300	1	.215	BK, W	.75	4	20	.7
4-4017-89-91	23	2	-	21/36	300	1	.215	BK, W	.75	2	10	.48
4-4027-00-91	23	4	-	21/36	300	1	.250	BK, W, R, G	.875	4	20	1.1
4-4027-89-91	23	4	-	21/36	300	1	.250	BK, W, R, G	.875	2	10	.66
4-4037-00-91	23	5	-	21/36	300	1	.285	BK, W, R, G, BE	1.063	4	20	1.5
4-4037-89-91	23	5	-	21/36	300	1	.285	BK, W, R, G, BE	1.063	2	10	.79
4-4047-00-91	23	6	-	21/36	300	1	.305	BK, W, R, Y, G, BE	1.125	4	20	1.7
4-4047-89-91	23	6	-	21/36	300	1	.305	BK, W, R, Y, G, BE	1.125	2	10	.93
4-4057-00-91	23	7	-	21/36	300	1	.320	BK, W, R, BN, BE, Y, G	1.25	4	20	1.9
4-4057-89-91	23	7	-	21/36	300	1	.320	BK, W, R, BN, BE, Y, G	1.25	2	10	1.0

COMMUNICATION CORDS - SHIELDED COMPONENTS

- Neoprene® Jacket
- 4 ft. retracted / 20 ft. extended
- 2 ft. retracted / 10 ft. extended
- Shielded conductor code is white (plus green, for 4 conductor)
- Unshielded color codes are black and red

PART NUMBER	AWG SIZE	# COND.	UL TYPE	STRAND	MAX. VOLTAGE	AMPS	CORD O.D.	CONDUCTOR CORD COLOR	COIL O.D.	RET. LGTH. FT.	EXTEND LGTH. FT.	LBS / CORD
4-4107-00-91	23	1	-	21/36	100	1	.200	W	.75	4	20	.7
4-4107-89-91	23	1	-	21/36	100	1	.200	W	.75	2	10	.41
4-4127-00-91	1/24-2/23	3	-	41/40-21/36	75/100	.5/1	.240	W, BK, R	.88	4	20	1.0
4-4127-89-91	1/24-2/23	3	-	41/40-21/36	75/100	.5/1	.240	W, BK, R	.88	2	10	.62
4-4227-00-91	2/24-2/23	4	-	41/40-21/36	75/100	.5/1	.270	W, G, BK, R	1.00	4	20	1.2
4-4227-89-91	2/24-2/23	4	-	41/40-21/36	75/100	.5/1	.270	W, G, BK, R	1.00	2	10	.84

RETRACTILE TEST LEADS - 1000V

- Black or red jacket overall
- Stranded, tinned soft copper
- 2 ft. retracted / 10 ft. extended
- Use as test leads when retractile properties are desirable
- Resistant to water, acids and alkalis

PART NUMBER	AWG SIZE	# COND.	UL TYPE	STRAND	MAX. VOLTAGE	AMPS	CORD O.D.	CONDUCTOR CORD COLOR	COIL O.D.	RET. LGTH. FT.	EXTEND LGTH. FT.	LBS / CORD
4-7036-02-01M	28	2	-	19/40	30	.5	.135	BK, W	.50	2	10	.2
4-7506-01-01	28	4	-	19/40	30	.5	.150	BK, W, R, G	.50	2	10	.2

MINIATURE CORDS

- UL approved
- Style 20013 60°C 30V plastic
- PVC Jacket
- 2 ft. retracted / 10 ft. extended



PART NUMBER	AWG SIZE	# COND.	UL TYPE	STRAND	MAX VOLTAGE	AMPS	CORD O.D.	CONDUCTOR CORD COLOR	COIL O.D.	RET. LGTH. FT.	EXTEND LGTH. FT.	LBS / CORD
4-7036-02-01M	28	2	-	19/40	30	.5	.135	BK, W	.50	2	10	.2
4-7506-01-01	28	4	-	19/40	30	.5	.150	BK, W, R, G	.50	2	10	.2

WHITNEY BLAKE STOCK KOILED KORDS:

In-stock or custom designed, design engineers specify Koiled Kords™ for almost any application.

When the world goes shopping for stock cords, Whitney Blake delivers.

The pulse of the world's cable market can be measured by Whitney Blake's Koiled Kord business. Koiled Kord has become a known brand name throughout the entire wire and cable industry as the cord of choice for a myriad of applications.

Whether you are manufacturing or are an OEM of cable products, our in-stock Koiled Kords deliver product consistency and reliability right off the shelf.

In-stock cords are being used in computers, bar code readers, medical equipment, material handling equipment, production line tools, virtually all types of commercial vehicles, and in a wide variety of instrumentation and testing devices throughout many markets.

Imagine an application... we just might have an in-stock Koiled Kord waiting for it. If we don't, we can custom build to meet your requirements in record time.

Your success is our success.

For us, making the connection means connecting with our customers' needs.
 Responding to our customers' desires for single sourcing complete cable products,
 Whitney Blake offers complete cable assembly from design to finished product.

Over-mold and compression molded connections are available.
 Whitney Blake design engineers are with you throughout the entire cable design process
 to assure your cable assembly products perform to your specifications and beyond.

On-site testing assures certification to military and agency performance specifications.
 Flex testing, coiled cord extension life, cable flame resistance, various electrical tests including
 characteristic impedance, coax attenuation, DC resistance, insulation resistance, high voltage,
 electrostatic resistance, accelerated life tests, salt fog resistance, physical properties of materials,
 sub-zero and high temperature material performance, ozone and oxidation testing. advanced
 circuit analyzers and lab rheometers are examples of our quality assurance capabilities.

Connecting with our customers' needs also means providing the widest range of capabilities in both
 materials and manufacturing in order to offer complete design to finished product possibilities.

Today's markets demand that a supplier have an organizational culture which
 responds to customer needs, not only out of necessity, but also out of a desire
 to work in partnership with them to accomplish their goals.

Whitney Blake has not had to change with respect to these needs.
 Our original business philosophy still works as well as it did over a century ago...customer first.

Coiled Kords™
 keep your products
 moving.



Light to Heavy Duty Applications:

Light Handtools, Home Appliances, Lamps, Pendant Controls,
 Portable Lights, Garage Doors, Machine Tools, Cranes, Hoists

Communications & Electronics Applications:

Microphones, Handsets, Cellular Phones, Computers, Bar Code Scanners,
 Static Control, Headsets, Medical Equipment, Battery Chargers, Test Leads, Probes

Insulation Materials:

Thermoset: Natural Rubber, Neoprene®, EPR, SBR
 Thermoplastic: PVC, Hytrel®, TPR, Teflon®, Nylon®, Polyethylene,
 Polypropylene, Urethane, Santoprene™

Shielding Materials:

Spiral copper strand, flattened wire and tinsel, Aluminum/Mylar® foil wrap;
 Available with or without drain wire; Bare, tin plated or silver plated; Semi-conductive PVC

Jacketing Materials:

Thermoset: Natural Rubber, Neoprene®, SBR
 Thermoplastic: PVC Alloys, Polyurethane, TPR, Pebax®

Termination Capabilities:

From simple twist and tinning of conductors, to applying terminals, contacts,
 and mechanical connectors from all major electrical and electronic interconnection
 manufacturers or custom design molded connectors

*Neoprene, Hytrel, Mylar, Teflon, Nylon, are registered trademarks of Dupont. Pebax is a registered trademark of Atochem.
 Santoprene is a registered trademark of Advanced Elastomer Systems. Coiled Kords is a trademark of Whitney Blake Company.*

MARKETS SERVED

- Commercial / Industrial
- Military Communication
- Telecommunications
- Medical Data
- Networking
- Transportation
- Cellular

A Koiled Kord™ (Coiled Cord, Retractable Cord) is composed of cordage specifically designed to be formed and cured into a helical shape in such a manner that it tends naturally and repeatedly to return to its original shape with each adjacent individual coil touching the next in close proximity after having been stretched or extended to its designed operational length one or more times. The combination of the individual conductors, insulation, shields, fillers, strength members, and jacket varies according to the individual application, but in all cases, the construction is designed to account for the mechanical stresses applied during the extension/retraction cycle expected for the cord, as well as the electrical and environmental performance required.

In order to specify a Koiled Kord™, it is first necessary to understand the various nomenclature associated with one. It is also necessary to understand your application and the mechanical and electrical performance you wish to achieve, as well as the environmental conditions under which you wish the Koiled Kord™ to perform.

A Koiled Kord™ has three basic physical components.

There are two individual straight ends; End 1 and End 2, and the helical coil (Please see Figure 1). Figure 1A depicts a Koiled Kord™ with Tangent ends, and Figure 1B depicts a Koiled Kord™ with axial ends. A Koiled Kord™ could have two tangent ends, two axial ends, or one of each. Tangent ends are by far the most common.

Axial ends are slightly more difficult to manufacture, and are thus slightly more expensive. Koiled Kords™ with one of each type of end are uncommon, but it is possible that certain mounting constraints may at times dictate such an arrangement.

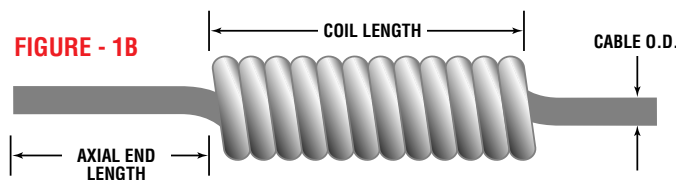
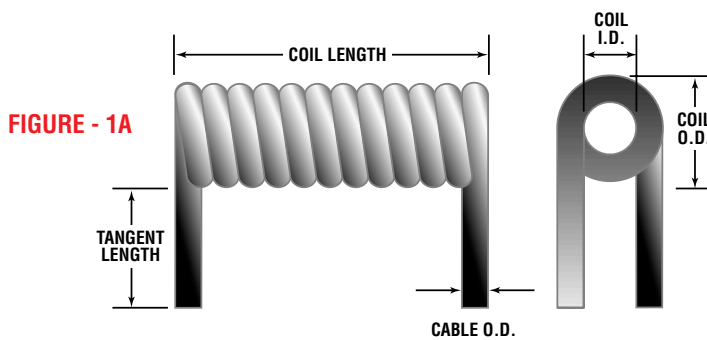
There are several physical dimensions associated with a Koiled Kord™, which may be necessary to specify. When specifying these dimensions, it is important to specify only those dimensions that are critical to your design. Allow all other dimensions to be determined by Whitney Blake's experienced Design Engineers.

The Outside Diameter (OD) of the cordage itself may be critical to your design for any number of reasons. Perhaps it must be compatible with a certain connector or an access through-hole. Perhaps your marketing team has determined a specific diameter that will be well accepted by prospective customers. Whatever the reason, if you have reason to specify the Cordage OD, be sure to do so.

If not, leave it up to Whitney Blake, because there are many other variables which affect the final Cordage OD, or which are affected by it.

The Inside Diameter (ID) of the coil may be critical to your design, as may be the Outside Diameter of the coil. In some cases, both may be critical. The Coil ID is measured across the inside edges of the coils. The Coil OD is measured across the outside edges of the coils. In the design and manufacture of a quality Koiled Kord™, there are certain relationships between the Cordage OD and the Coil OD/ID within which we must remain. It is not possible to coil a large cordage OD into a small coil OD, for instance, because the cordage cannot be bent over a small radius. By the same token, it is not advisable to coil a small cordage OD into a large coil OD, because the finished product will not hold its coiled shape well, and it will exhibit poor retraction performance.

The Retracted Length, and the related Extended Length of the coiled section of the Koiled Kord™ will certainly be critical to your design, and should always be specified. These two are closely related. Our rule of thumb for the ratio of Extended Length to Retracted Length is 5:1, but it varies in practice to less than 4:1 and greater than 6:1. Please note that it is inadvisable to fully extend any Koiled Kord™ to the point that it completely, or even nearly straightens the cordage out. This could damage the cord to the point that it will no longer retract satisfactorily. For design purposes, specify the retracted length.



The End Lengths will also certainly be critical specification parameters. End Lengths are measured differently for tangent and axial ends. Tangent end lengths are measured from the outside edge of the Koiled Kord™ nearest the end of the tangent (Please see Figure 1A). Axial ends are measured from the end of the Koiled Kord™ with the radius of the axial bend laying flat on a surface, such as a table, and the end of the Koiled Kord™ abutting the edge of the surface (Please see Figure 1B). End Lengths may be specified as minimums, or they may be given a tolerance.

Additional dimensions may necessarily be specified, depending on the extent of end work to be completed on any Koiled Kord™. These dimensions may be referenced to the end of the cable, to the end of the coiled section, or to other existing features, such as a molded strain relief, or an applied watertight fitting. These additional dimensions include, but are not limited to, ROJ (Removal of Jacket), cutback of individual conductors or other cordage components, Strip Length (the length of insulation removed from individual conductors for tinning or application of contacts).

ROJ may be specified to remove a certain length of jacket material from the end of the cable, or leave a certain length of jacket beyond the end of the coiled section or some other feature. The ROJ will be performed in such a manner as to remove the jacket only, and in some cases a paper separator or shield, but to leave the remaining cable core undamaged for further operations by Whitney Blake, or by the customer at its own facility.

Cutback may specify to cut fillers, stay cords, or other components back to the jacket edge, or may specify a distance from the jacket edge. In some cases, individual conductors, or other components may be specified with different cutback lengths to accommodate a specific application.

Strip Length defines the length of the insulation, or in some cases the shield and insulator for coaxial conductors, that must be removed. In some cases, this is the last operation required by the customer, but frequently, this is in preparation for some additional step such as twisting and tinning the strands of the conductor or applying a contact by some method such as crimping or soldering.

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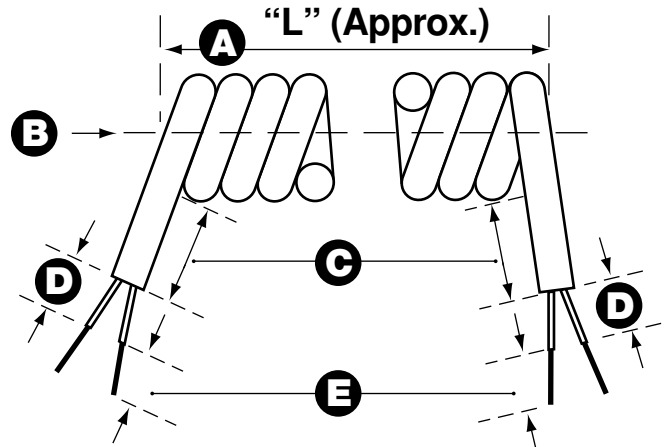
Special length retractile cords available upon request on all stock cords

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1. Product on which retractile cord is to be used:

2. Length and type of cord now being used or length to which new cord should extend: _____
3. Appliance or equipment rating (if motor drive, give horsepower): _____
4. Type of retractile cord desired: (check one)
 Power Communication
5. Jacket material required: (check one)
 Neoprene® Rubber PVC Urethane
6. Number of conductors: _____
7. Wire gauge and type of conductors: (check one)
 Stranded Copper Tinsel # of Gauge _____
8. Shielding requirements:
 Shielded Unshielded

9. Approximate annual requirements: _____
10. Fill in requirements for A thru E.
If possible, mail us a sample of cord to be duplicated.



- A** Retracted to extended length: _____ to _____
- B** Cordage diameter and coil O.D.: _____
- C** Minimum length of ends with jacket on it: _____
- D** Length of insulated conductors (outer jacket removed): _____
- E** Length of conductor without insulation (insulation strip): _____
- F** If conductor is twisted and/or tinned, specify for each: _____
- G** Terminals?: _____
- H** Strain relief requirement?: _____

Company Name: _____ Date: _____

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