

Cable Reel Specification Data Sheet - Pg. 1

To make sure you get the right reel, please collect your requirements using the data sheet below and on the next page. All page references refer to the Cable Reels Catalog CAT1000. If you need help, contact us at 800-521-4888 (or 402-339-9300). Fax the completed sheets to 800-780-8329 (402-339-9627) or e-mail them to info.us@conductix.com to obtain a quotation. See back cover of this catalog for other sales offices or ask for our Global Sales Office sheet.

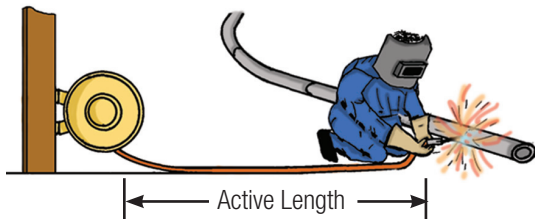
Appendix and page numbers refer to the Conductix Cable Reel Catalog. For definition of terms, see "Cable Reel Components", Appendix I, Pg. 44

Request Date	_____	Sales Person	_____
Company	_____	Name	_____
	_____	Title	_____
	_____	Phone	_____
	_____	Fax	_____
Company Type	_____	E-mail	_____

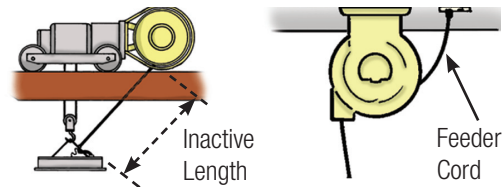
APPLICATION

1. How will the reel(s) be used? (Check One)

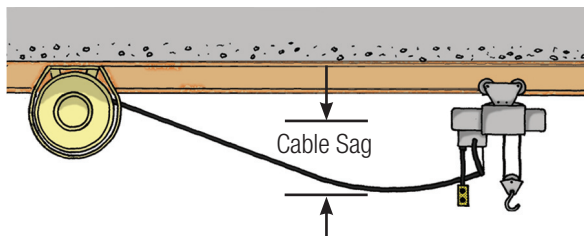
Drag



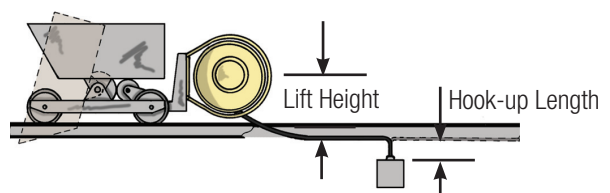
Lift



Stretch



Retrieve



2. **Other application information:** Describe the application or attach a sketch. For example: Will the reel need to lift a cable-end accessory or will the cable be run through rollers or sheaves? Or will the cable pay out at an angle?

ENVIRONMENTAL DATA

Describe the environment in the area where the cable reel will be installed and used.

1. Indoors Outdoors Dusty Snow Ice

Electrical enclosure sealing required (if known) NEMA _____ or IP _____

2. Ambient temperature Min _____ Max _____ °F °C [To convert °C to °F, see Appendix V, Pg. 48]

3. Will there be corrosive materials present? Yes No [salt, chlorine, steam, acids, etc.]

If yes, describe the type of corrosive _____

4. Is this a hazardous location? Yes No If yes, state required NEC Class _____ Division _____ Group _____

5. Other considerations (vibration, shock loads, etc) : _____

Cable Reel Specification Data Sheet - Pg. 2

MECHANICAL DATA

1. DUTY CYCLE _____ cycles per _____ [How often will the reel payout and retract?]

Note: If the reel will cycle 20,000 times or more per year and/or if the environment is unusually harsh, **premium cable may be required.**
Please consult Conductix-Wampfler.

2. SPEED If reel will power moving equipment, what is the speed of the equipment? _____ ft/min m/min

3. PAYOUT ANGLE How will the cable be paid out? Parallel with spool At an angle from the spool

Note: If the cable payout is more than 15 degrees from parallel with the spool, a swivel bases or swing-mount will be required.
Refer to Pgs. 13, 24, & 25 or contact Conductix-Wampfler for recommendations.

4. OTHER MECHANICAL NOTES Will cable pass through/along devices such as rollers or sheaves that might affect cable retraction?

ELECTRICAL DATA

1. AMPACITY REQUIRED _____ [The amount of amperage the reel/cable needs to handle per conductor.]

- Motor horsepower-to-amperage conversion - see Appendix II, Pg. 45
- To power an **electromagnet**, please consult Conductix-Wampfler

2. NUMBER OF CONDUCTORS REQUIRED (with ground) _____ [Note: Single phase needs three conductors; three-phase needs four.]

3. WIRE GAUGE/SIZE REQUIRED _____ AWG Metric [To handle the required amperage per conductor.]

To help determine required wire gauge, See Appendix IV, Pg. 47. For metric conversion, see Appendix V, Pg. 48.

4. CABLE TYPE NEEDED _____

For further information, see Appendix III "Cable Types", Pg. 46

5. OPERATING VOLTAGE _____ (volts) AC DC

6. OPERATING FREQUENCY _____ Hz (Note: USA is 60 Hz)

CABLE LENGTH NEEDED Add up the cable length you need. See drawings on Pg. 4.

	Lift ↓	Drag ↓	Stretch ↓	Retrieve ↓	
Active length	_____	_____	_____	_____	[The difference between minimum and maximum operating payout.]
Inactive length	_____	_____	_____	_____	[The cable that will stay <u>outside</u> the reel, even at minimum payout.]
Sag allowance			_____		[Add 10% to the active + inactive length to account for cable sag.]
Lift height		_____		_____	[The distance from the cable lay up to the reel location.]
Hook-up length	_____	_____	_____	_____	[The amount needed to make connections at the "free end" of the cable.]
TOTAL	_____	_____	_____	_____	[Sum of all lengths listed above.]

Feeder Cable Length (if needed) _____ [Cable that is connected to the "non-rotating" part of the reel. A feeder cable is standard on some reels. It is usually customer-supplied in other cases.]