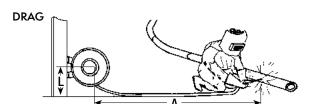
Design Your Own Cable Reel



Ericson offers a wide variety of Cable Reel options. Please use the form below to specify a reel to meet your application. Contact us at 1.800.ERICSON (1.800.374.2766) for assistance. Please email completed form to sales@ericson.com for a quotation.

Step 1: Cord Reel Application

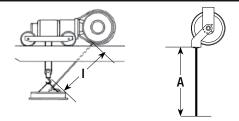
How will the Cord Reel be used? (Check one below.)



The reel needs to "drag" the cable through supports or along the ground horizontally. The reel is usually stationary. Cable can be pulled out by hand or by machine.

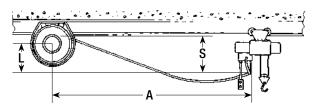
Note: This application is the hardest on cable life.

LIFT



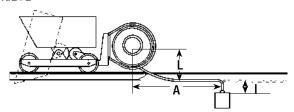
The reel needs to "lift" the cable vertically. The reel is usually stationary. Cable is pulled out of the reel by machine or by hand (as with an overhead light source or a pendant station).

STRETCH



The cable is "stretched" horizontally and is unsupported. The reel may be stationary mounted or mounted onto moving equipment. Cable is pulled out by a machine. An extra 6% to 10% of cable beyond active travel is required for cable sag.

RETRIEVE



The reel needs to pick up ("retrieve) the cable. The reel is mounted on moving equipment. Cable is pulled out by machine.

Step 2: Electrical Data

Ampacity Operating Voltage (volts)

AC

DC

Operating Frequency (U.S. is 60 Hz)

Wire Guage/Size Required

Number of Conductors Required (including ground)

AWG

Metric

Cable Type Needed

Cable Length (see calculator below if needed)



Step 3: Cal	ble Ler	igth Ne	eded						
						Lift	Drag	Stretch	Retrieve
A = Active Length	(The differe	nce between i	minimum an	d maximum	n operating payo	ut)			
I= Inactive Length	(The cable that will stay outside the reel, even at minimum payout)								
S= Sag Allowance	(Add 10% to the active+ inactive length to accommodate cable sag)								
L= Lift Height	(The distance from the cable lay up to the reel location)								
H= Hook-up Length	(The amt. needed to make connections at the "free end" of the cable)								
TOTAL	(Sum of all lengths listed above)								
Feeder Cable Length (if needed)	This cable "feeds" the non-rotating part of the reel. A feeder cable is standard on some reels, as noted in the catalog; customer-supplied for other reels (usually the larger models).								
Step 4: En	vironm	ental D	ata						
Describe the environn				alled and u	ised.				
Installed Location									
Indoor C	Dutdoor	Dusty	Snow	Ice	Corrosive	Hazardous Location	Specify,		
Electrical enclosure rating required (if known) Ambient Temperature (please note F or C)									
NEMA	IP Min.					Max.			°F °C
Will there be corrosive	e materials p	resent?							
Yes	No If yes, what type (salt, chlorine, steam, acids, etc.):								
Is this a hazardous loc	ation?								
Yes	No	If yes,	state requir	ed NEC	Class	Division	າ	Group	
Other Considerations	(vibration, sh	nock, loads, et	c.)						
Step 5: Me	chanic	al Dat <u>a</u>							
Duty Cycle (How ofter			etract)*	I f	reel will power r	moving equipment, what	is the speed of th	e moving equipme	ent?
	alos oor lda				·			ft/min	m/min

Yes

At Angle from the Spool

How will the cable be paid out?**

Parallel with Spool



Will cable pass through/along devices (rollers or sheaves) that might affect cable retraction?

Νo

^{*}For very high cycle rates, and/or harsh environments, and/or cables that must be routed through sheaves or rollers, a premium cable jacket may be required **If the cable payout is more than 15 degrees from parallel with the spool, a swivel base or swing-mount will be required