

# SPRING CABLE REEL ENQUIRY FORM

## 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 machine. An extra 10% of cable beyond active travel is required for cable sag.

## 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).

## DRAG



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.

## RETRIEVE



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

### 1. Specify Application:

Stretch     Lift     Drag     Retrieve

### 2. How will the cable be pulled out?

- Manual (cable is pulled out by hand)  
 Automatic (cable is pulled out by machine action)  
 → If Automatic, what is the travel speed of the machine?  m/min

### 3. Application is:

- End Feed (one way only from feed point)  
 Center Feed (either side of feed point)

### 4. Cable Details:

→ The number of cores:  and core size:  mm<sup>2</sup>  
 OR  
 → Rating required: Kilowatt demand:  kW, or Current Rating:  Amps

### 5. What is the required cable payout length? metres

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**6. Is there any additional cable length required?**

(ie, cable beyond anchoring point for termination)?  Yes  No  
→ If Yes, what is the additional cable length required? \_\_\_\_\_ m

**7. What is the mounting height of the reel:**

(ie, Distance from center of reel to ground level)? \_\_\_\_\_ m

**ADVANCED FEATURES + OPTIONS → APPLICABLE FOR EXEL REELS ONLY**

**8. What is the duty cycle of the reel:**

(ie, the number of operations per day)? \_\_\_\_\_ operations per day

**9. What is the preferred mounting arrangement?**

Flange-mounted  Foot Bracket-mounted  
 Roller Guide Arm  Pivoting

**10. Environment:**

Indoors  Outdoors  Dusty  Seaside  Corrosive

→ Details of environment (if relevant): \_\_\_\_\_

→ Ambient Temperature: Min. \_\_\_\_\_ Deg.C , Max. \_\_\_\_\_ Deg.C

→ Environment protection options required:

- Epoxy painted (Orange)
- Outside nuts & bolts in Stainless Steel
- Nickel plated brass cable glands
- Anti-condensation heater (in slip ring enclosure)
- IP66 sealing (of slip ring + spring motor enclosures) [Standard is IP55]

**11. Other Options on the Cable Reel:**

Please indicate if there are any of the following options required on the reel:

- Ratchet mechanism
- Rotary Limit Switch (in slip ring enclosure)
- Specific Colour Epoxy Paint
- Silver-Plated slirings

**12. Optional Accessories:**

Please indicate if there are any of the following cable guiding and anchoring accessories required for the cable reel installation:

- Cable Anchor Sock (to anchor cable end at termination point)
- Centerfeed Point Cable Entry Funnel (for directing cable into centerfeed pit)
- Centerfeed Point Cable Anchor Drum (for anchoring cable in centerfeed pit)
- 2-Way Cable Guide (for centerfeed applications where it is desired to bring the cable vertically down to ground level from the reel prior to directing it left or right)