

CABLE REELS QUESTIONNAIRE

Company: _____ Phone: _____ Fax: _____

Contact person: _____ E-mail: _____

Address: _____ Project title / Country of operation: _____

Postcode / City / Country: _____ Application: _____

APPLICATION

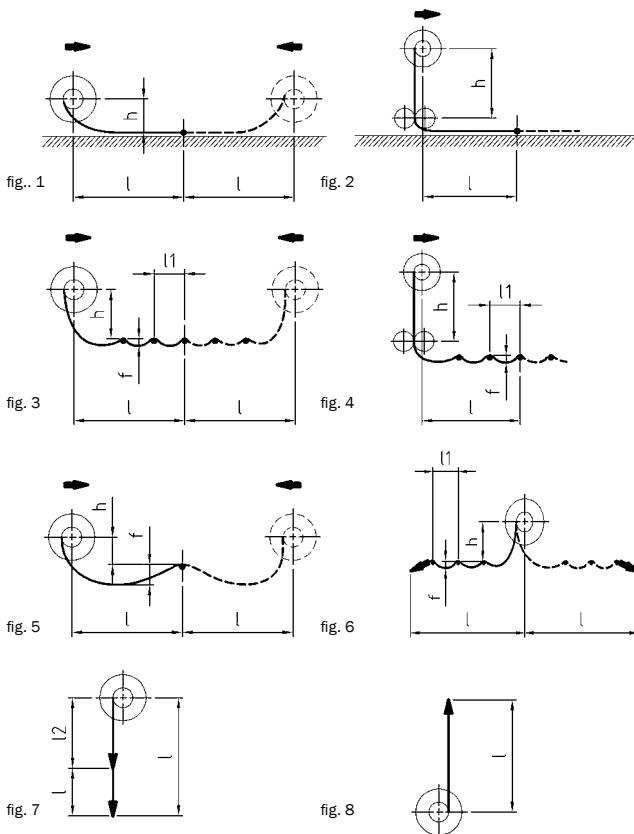
01. Application.....

02. Installation

- stationary on a mobile unit

03. Arrangement of reels according to the figures below

- 1 2 3 4 5 6 7 8



04. Reel and winding type

- spring cable reel motorised cable reel
- spiral winding cylindrical winding

05. Travel length / lift m

06. Total cable length(b) m

07. Feed-in

- center feed end feed

other

08. Cable payout

- horizontal vertical

09. Mounting height (from flange to ground) m

10. Payout direction (view on slip ring assembly)

- left right

11. Special requirements / details

.....

.....

CABLE DATA

12. Cable provided by

- customer VAHLE

13. Cable type, if known

quantity of cores x cross section / cable weight
 cores x mm² / kg/m
 outer diameter (OD)..... mm

14. Data for cable determination

total system capacity kW
 voltage V current A
 quantity of cores + PE (earth, ground)

Do you need a fibre optic cable?

- yes no

if yes, quantity of fibres and type

Red fields are mandatory fields

SLIP RING ASSEMBLY

15. Quantity of slip rings cores +
PE (earth, ground)
16. Max. current load of slip rings A
17. Transfer of
 power control current
 signals communication
18. Bus-type for data transfer
(communication + data technology)
 Profibus CAN-bus
 Ethernet Profinet
 others
19. heating

DEVICE DATA

20. Voltage V
21. Motor frequency Hz
22. Do you need a frequency controlled drive unit?
 yes no
23. Duty cycle %
24. Travel frequency per hour /h
working hours per day h
25. Travel / lifting speed m/min
26. Ramp-up / deceleration time..... s/..... s
27. Acceleration m/s²

ENVIRONMENTAL CONDITIONS

28. Ambient temperature
 indoor use outdoor use.....°C-.....°C
29. Humidity %
30. Pollution degree
 little medium strong

GENERAL REMARKS

- a. Unless otherwise specified, spring cable reels will be quoted, if technically possible (max. travel speed 60 m/min).
- b. Total cable length includes max. payout length between reel and end of cable
(horizontal payout considering installation height + if appropriate length for vertical cable payout)...
+ 2 additional windings for mechanical strain relief of the cable (security winding) → 2 x 2r x Π
+ 1 m normally connecting length to slip ring assembly
+ cable length for connection to the feed-in point (depending on the application)

ENVIRONMENTAL CONDITIONS

31. Aggressive hazards
 yes no
if yes, please specify
32. Protection class
 IP 55 (standard) IP 65 (optional)
 others

OPTIONS

33. cam limit switch (quantity)
 encoder (.....)
34. connected cable to a slip ring assembly
 pigtail and connected

SURFACE TREATMENT

35. standard color RAL 7040
 other color
36. hot-dip galvanised V2A
 sand-blasted seawater protected
37. others (please specify)

ACCESSORIES

- | | |
|---|--|
| <input type="checkbox"/> cable deposit roller | <input type="checkbox"/> ratchet |
| <input type="checkbox"/> centre feed funnel | <input type="checkbox"/> roller yoke |
| <input type="checkbox"/> deflection horn | <input type="checkbox"/> roller payout guide |
| <input type="checkbox"/> deflection and guide rollers | <input type="checkbox"/> rotating wall attachment |
| <input type="checkbox"/> winding device | <input type="checkbox"/> cable grip |
| <input type="checkbox"/> deflection link chain | <input type="checkbox"/> heater |
| <input type="checkbox"/> rotating ceiling attachment | |
| <input type="checkbox"/> with / | <input type="checkbox"/> without slack & tight cable control |