

# Specification Data Sheet

To choose the correct Festoon System, we recommend that you collect the following application data.

Request Date	_____	Sales Person	_____
Company	_____	Contact	_____
	_____	Title	_____
	_____	Telephone	_____
	_____	Fax	_____
	_____	E-Mail	_____

## System Parameters (circle units of measure used)

Crane type \_\_\_\_\_

CMAA crane class (see Pg. 34) \_\_\_\_\_

Travel speed \_\_\_\_\_ ft/min m/min

Acceleration \_\_\_\_\_ ft/s<sup>2</sup> m/s<sup>2</sup>

Duty cycle (hr/day) \_\_\_\_\_

## Operating Conditions (circle units of measure used)

Environment  Indoor  Outdoor

Temperature range (F° C°) \_\_\_\_\_ Min \_\_\_\_\_ Max

Humidity (%) \_\_\_\_\_

Corrosives? (please list) \_\_\_\_\_

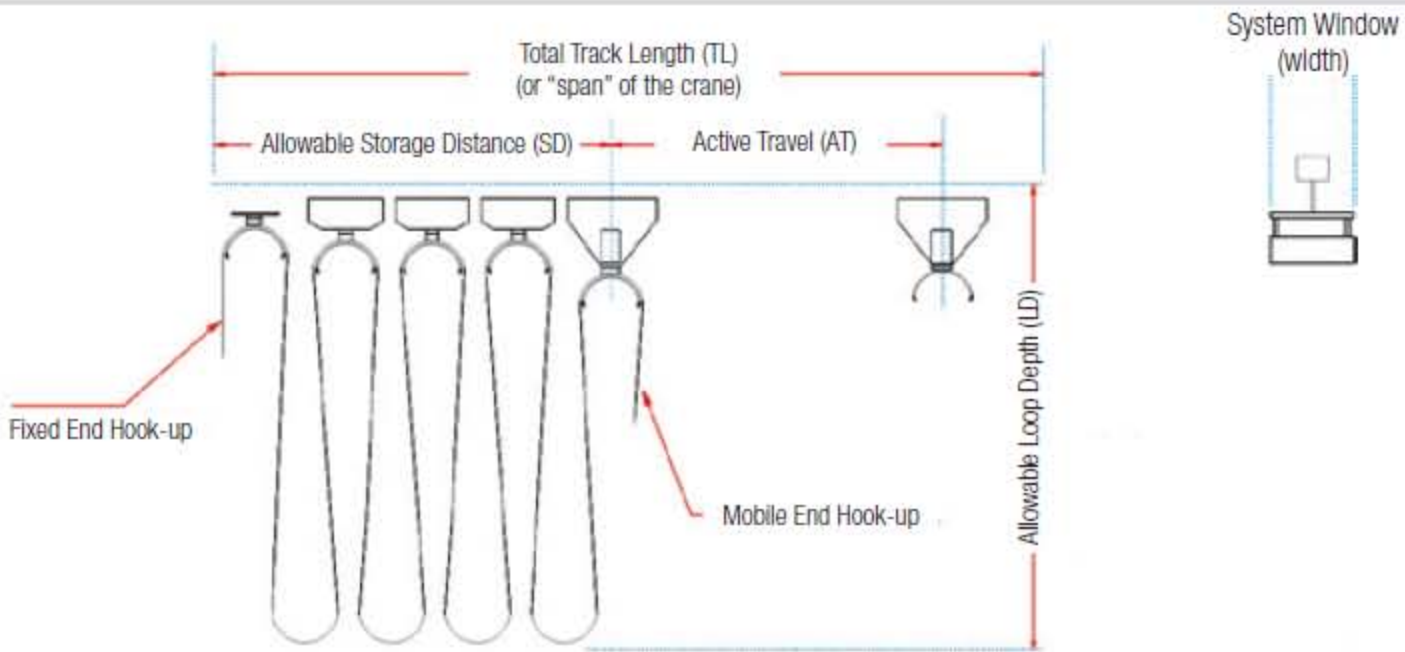
Hazardous location? \_\_\_\_\_

Class, Division, Group \_\_\_\_\_

Type of Festoon System(s) Required:

Power  Control  Power & Control

## System Dimensions



System Dimensions - Refer to dwg above (circle units of measure used):

TL	_____	ft	m	System Window	_____	in.	mm
AT	_____	ft	m	Fixed end Hook-up	_____	ft	m
LD	_____	ft	m	Mobile end Hook-up	_____	ft	m
SD	_____	ft	m				

Type of "Lead" Trolley Req'd:  Tow trolley  Tow clamp  Control Trolley

# Specification Data Sheet

## Festoon Cable Requirement

Cable Specification:  Flat  Round Cable Jacket:  Neoprene  PVC

Item	Qty	Cable Type/Description	AWG	# Cond	Dimensions (in)	Wt (lb/ft)
1						
2						
3						
4						
5						
6						
7						
8						

## Accessories / Options Required

Want Factory Pre-assembly?  Yes  No

Need Cable Cord Grips?  Yes  No

Need Electrical J-Boxes?  Yes  No

J-Box NEMA Rating (if Req'd) \_\_\_\_\_

Want Factory Pre-Wiring, Fixed End?  Yes  No

Want Factory Pre-Wiring, Mobile End?  Yes  No

Need Control Trolley?  Yes, with J-box  Yes, w/o J-box  Yes, W/Quick disconnect  No

Do You Require Individual Tagging of  Cables?  Conductors?

Style of Tagging (check one, if applicable)  Standard  Laminated  Stainless Steel

## **Appendix I - Selection of Systems**

### **• Intermittent Duty -**

Assumes that the current is “on” for a period of time and “off” for a period of time; i.e.: one “duty cycle”. The conductor is allowed to cool between “on” phases. A 50% duty cycle is most common – i.e.: one minute on and one minute off. Since a crane cannot lift continuously, nor is current flowing at maximum for long periods of time, most operate at a 40% duty cycle or less. So a 50% duty cycle is sufficient. However, cranes that see heavy duty, especially Class D and E cranes (see end of this Appendix), may push the conductor beyond a 50% intermittent duty rating.

### **CMAA Crane Classifications**

Provided for general information only.

- **Class A** (Standby or Infrequent Service) Performs precise lifts at slow speed, with long idle period between lifts. Performs lifts at full or near rated capacity. Power houses, public utilities, turbine rooms.
  
- **Class B** (Light Service) Light service requirements at slow speed. Performs 2 to 5 lifts/hour, light to occasional full loads, at 10 ft. average height. Repair shops, light assembly, service buildings, light warehousing.
  
- **Class C** (Moderate Service) Moderate service requirement with loads averaging 50% of capacity. 5 to 10 lifts per hour at 15 ft. average lift height. Not more than 50% of lifts at rated capacity. Machine shops, paper mill machine rooms, etc.
  
- **Class D** (Heavy Service) Bucket/magnet duty, where heavy duty production is required. Loads of 50% capacity handled constantly. 10 to 20 lifts per hour averaging 15 ft. lift height. Not over 65% of the lifts at rated capacity. Heavy machine shops, foundries, fabricating plants, steel warehouses, container yards, lumber mills, etc.
  
- **Class E** (Severe Service) Loads approaching capacity throughout the life of the crane. 20 or more lifts per hour at or near rated capacity. Magnet/bucket cranes for scrap yards, cement mills, lumber mills, fertilizer plants, container handling.
  
- **Class F** (Continuous Severe Service) Handles loads approaching capacity continuously under severe service conditions throughout the life of the crane. Includes custom designed specialty cranes performing work critical to the total production facility. Needs to have the highest reliability and ease of maintenance.