ASSEMBLY INSTRUCTIONS

1) SECURITY

1.1 Advices about electricity

- Disconnect the power from the system before starting any assembly operation.
- Do not use electrical cables for higher loads than the specified voltage and current.

1.2 Operational advices

- Do not use different cables for which the festoon system is specified. Any change in number, diameter, weight, etc., may affect the normal operation of the cable system.

1.3 Maintenance advice

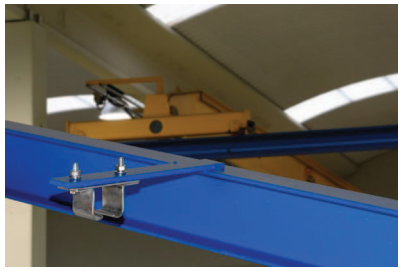
- The modification of the number and/or characteristics of the festoon system components cancels the warranty.

2) INSTALLATION

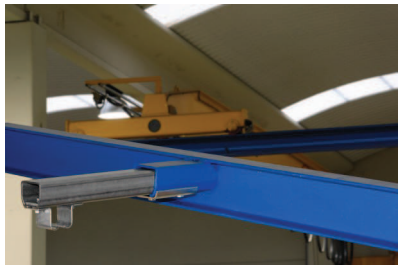
The support structure for the festoon system must be capable of supporting the total weight of the festoon system.

Place the support along the beam through which the hoist is to be circulated. These points must be located every 2m, except in the parking area where they must be located every 1m.

STANDARD BRACKETS



BEAM WELDED JOINT BAR



BEAM WELDED SUPPORT

Install the first profile in the supports without tightening the screws.

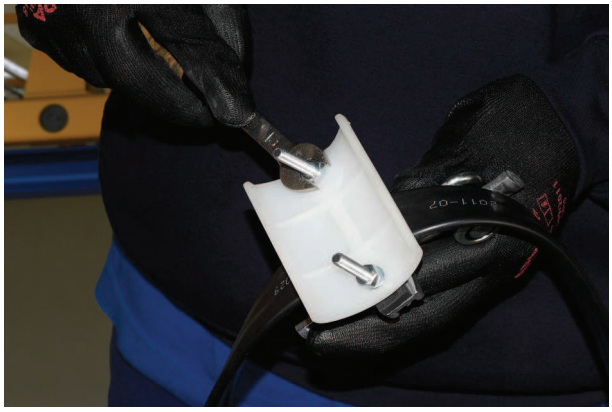
Assemble the next profile section on its corresponding supports in the same way as the first.

Join these profiles using the joints that guarantee a continuous travel between both sections. Tighten the screws once the joint has been placed in the middle of both profile sections. Repeat the same operation for the rest of the profile sections.

Once all the profiles have been assembled, we will proceed to align the path with respect to the rolling hoist on the beam, crane, etc.Once the alignment is correct, we will proceed to tighten the screws of the supports.

ASSEMBLY INSTRUCTIONS

Cut the necessary length of electrical cable leaving enough length on both sides to make the electrical connections later.
Make marks with white chalk on the cable in the required points, according to the height of the loop or number of trolleys to be assembled. Put the cables in the saddle (biggest cables should be mounted on top of the cable package).



Tighten the screws of the cable holders avoiding damaging the cables due to excessive tightening.
The cable package should be as centered as possible on the cable holder, so that the trolley runs in a balanced way. Make sure that the smallest cables do not slip into the cable package.

Insert the festoon system into the profile, starting first with the towing trolley and then following the cable trolleys. Insert the end clamp the last.The cables must be mounted without any rotation.

Tighten the end clamp at the end of the profile.
Make the connections of the cables on both sides of the system in their respective connection boxes.

3) OPERATION

3.1 Previous tests

Carry out several travels by hand to check that it moves throughout its length without problems.
Check that there is plenty of space in the ambush area.
Check that the cable loops don't get hooked in any part of the travel.
In the cable management system, check the correct height between the pushbutton pendant control station and the floor.

3.2 Final tests

Once the electric current is connected, check that the trolleys move forward and backward without problems.
Check that the device, the festoon system is powered on, works correctly.

3.3 Normal functioning

Do not exceed the maximum voltage and / or amperage specified for the electric cables.
Use the festoon system within its corresponding electrical and / or mechanical specifications.

4) MAINTENANCE

Perform periodic maintenance tasks to ensure the status of the festoon system. The maintenance operations will depend on the use given to the system.
During each inspection the following points should be checked:

- Wear of ball bearings.
- Ensure screws are correctly tightened.
- Separation or alignment in the joints.
- Electric cables: cuts, cracks, etc...
- The profile must be clean in the running edges.