

## FOREWORD

In the following pages, you will find some major technical information organized in handling/installation and Electrical.

Our goal is provide you with all the easy, most common information in order to deal correctly with all our cables (from the project to the final handling).

Obviously we prefer if you would contact us for any specific, as our sales department and our technicians can act together in order to help you best in this way.



## BENDING RADII

Table 1

Operating Voltage (V)		TYPE OF USE										
		Fixed Installation	Anchoring Reel	Festoons	Cable Winding Reels		Basket	Cable Carrier Chains	Cable Tender Systems	Guide Pulley System		
≤ 1000	< 8,0	3xOD					-					7,5xOD
	< 12,0	3xOD					-					7,5xOD
	≤ 20,0	4xOD					-					7,5xOD
	> 20,0	4xOD					15xOD					7,5xOD
> 1000		6xOD					-					15xOD

The above table gives the recommended minimum bending radii for different cable uses. Observance of these recommendations and a precise calculation of the bending radius are important as one of the most important factors of reliability. Increase on minimum bending radius has a more than proportional effect on the life of a cable because it causes stretching and internal torsions due to increased mechanical stresses in the conductors.

As the frequency of movements is important, a tighter bending radius may be considered where movement is slow and/or occasional.

Care must also be taken and limits imposed on design where pulleys or guide rollers (same radii as for collection reels) are present or where there is a flexion and torsional stress due to reel being parallel to the line of travel of the machine.