

Installation Instructions for Cable Track

INSTALLATION INSTRUCTIONS FOR OLFLEX® CABLE IN CABLE TRACK

1. Only OLFLEX® FD or UNITRONIC® FD cables should be used in a moving cable track application.
2. When selecting cable for cable track, the following criteria must be taken into consideration; environmental conditions such as temperature, chemical influences, indoor or outdoor operation, as well as traveling speed and frequency of operation.
3. The recommended minimum bend radius of the cable should not be exceeded. Refer to the technical data section of this catalog for minimum bend radius for flexing.
4. The cables must be prepared for installation into the cable track without twists, bends or kinks in the cable. Therefore, the cable should always be unwound from the outside layer of the reel or spool. The cable should never be pulled from a coil. Before insertion into the track, it is important that the cable be laid out or hung at least 24 hours prior to installation into the cable track to relax any stresses resulting from transit or storage. If the cable cannot be relaxed, it should be shook out by grasping the cable length at its mid-point and shaking the cable as you move to each end. Then, wrap each end of the cable with masking tape and mark the top of each cable end. **Maintain this alignment throughout installation and clamping.**
5. When placing the cable into the cable track, the track should be laid out flat with the bending direction facing upward, then fitted with the cables in working position. The cables should be laid into the cable track and not weaved between or around other cables. The cables should lay loosely side by side in the track. A minimum clearance of five percent of the cable diameter should be allowed on each side of the cable. When cable is installed in track where spacers are provided, they should be separated from each other.
6. **The cables should not be fixed to the track or tied together in the track.**
7. The weight of the cables must be evenly distributed. Heavier cables should be placed towards the outside of the cable track, while lighter ones should occupy the center of the cable track. When the cable track is side mounted, always place the larger cable towards the outside and the smaller cables toward the inside of the cable track. Cables must not be pulled tight against the inner track curve. Cables must not be pushed tight against the outer track curve.
8. After the cable track is installed, the cables should be cycled through several flexes and observed for freedom of movement. It is important to ensure the cables can move with complete freedom within the bend radius, so that movement of the cables among themselves and with the track is possible.
9. The cables should be clamped into position at both ends of the cable track. Prior to clamping, the alignment marks on the taped ends should be correctly positioned. Do not crush the cables when clamping. The clamping points must be located at a distance of 15 x cable diameter from the end point of the flexing movement. **NOTE: When calculating 15 x cable diameter, it is important to use the diameter of the largest cable in the track.**