

Inspection Checklist -- Fall Protection Equipment

Rope Lifelines - Synthetic



Description:			Model #:		
Serial #:			Date of Manufacture:		
Inspector:			Date Inspected:		
Description		Pass ✓	Fail ✕	Comments	
Lanyard	Rope Fibers				
	Rope Splices				
	Thimbles and Eyes				
	Heat Damage				
	Fittings/Thimbles				
	Splices				
	Labeling (tags)				
Snap Hook	Hook Body				
	Hook Nose				
	Gate (keeper)				
	Lock				
	Eye				
	Hinge (at gate)				
	Spring (inside gate)				
Tests					
✓ PASS: Initial _____			✕ FAIL: Initial _____ REMOVE FROM SERVICE		
Inspector Signature:					

Synthetic Rope – Lifelines (Twisted Ropes) Inspection – Guidelines

Cleaning and Storage

Rope can be washed, to remove dirt or abrasive particles. Use a solution of mild detergent and cold water (Note that washing can remove any coatings that may have been added to enhance the performance of the product.)

Hang freely to dry, but away from excessive heat, steam or long periods of sunlight. Lifelines must be dry before storage.

Storage areas should be clean, dry and free of exposure to fumes, heat, direct ultraviolet light, sunlight or corrosive elements. Lifelines should be kept off the floor to provide ventilation underneath. Never store directly on a concrete or dirt floor.

Note: Do not store lifelines next to batteries; chemical attack on the lifeline can occur if the battery leaks.

Synthetic Rope – Lifelines (Braided Ropes) Inspection – Guidelines

Braided Ropes

Grasp the rope with both hands and rotate the lifeline. Run your hands along the entire length of lifeline. Inspect strands from end to end.

Synthetic fiber ropes will show a reduction in strength when used at elevated temperatures. For exposure to excessive temperatures specific for the rope fiber, refer to the rope manufacturer's specifications and instructions.

Damage and deterioration may not show up through a sight (visual) inspection only – manual (touch) the lanyard is equally important.

Rope Diameter

Weakened areas from extreme loads will appear as a noticeable change in original diameter. The rope diameter should be uniform throughout. If areas appear to be reduced more than 5% from original rope diameter, **REMOVE FROM SERVICE**

(Ex: For a 5/8" rope, a 5% reduction would be approx. 1/32" – calipers can be used to measure)