

NFES #000458 NET - CARGO, 15'X 15', 6000 LB CAPACITY  
Polypropylene Rope Terminus Taping Instructions

Materials Required:

- 1" x 30 yards Scotch® Linerless Rubber Splicing Tape 130C
- NFES #000458 NET - CARGO, 15'X 15', 6000 LB CAPACITY

Addition resources include:

- NWCG Standards for Fire Equipment Storage and Refurbishing, PMS 448  
<https://www.nwcg.gov/publications/pms448/net-0458>
- Cache Memo 20-02, <https://www.nwcg.gov/sites/default/files/committee-correspondence/nfes-m-20-02.pdf>

Purpose: The polypropylene rope termination points on NFES 000458 Cargo Nets under contract # AG-82X9-P-16-6013 manufactured October 2016 are susceptible to fraying and unraveling. Instructions provided are intended to mitigate any current fraying and prevent further unraveling.

All polypropylene rope ends must be taped. There are 116 terminus points on each cargo net. Each will require approximately a 2" length of rubber tap. In total, each net will require approximately 20' of tape.

*Scotch® Linerless Rubber Splicing Tape 130C should be applied like any rubber tape; that is, the side of the tape wrapped inside the roll should be applied outside on the splice (tacky side up). This will help prevent the roll from getting progressively further away from the work area.*

*Stretch the tape just short of the breaking point; doing so will not alter its physical properties.*

*Tape should be stretched to a minimum of 3/4 its original width.*

1. Locate and identify polypropylene rope ends. Rope ends may exhibit some level of fraying or unraveling.



2. Unraveled ends can be twisted back together before taping. **Do not cut or melt frayed rope ends.**



3. Beginning at the melted end of the rope with your thumb, anchor the tape against the rope and stretch tape to at least  $\frac{3}{4}$  of its original width. NOTE: The inside surface of the tape roll should be wound onto the rope such that it becomes the outer surface of the finished product.



4. Continue to stretch and wrap tape around the rope end until at least two full revolutions and a minimum of one inch of rope is taped. Tape must be wrapped in the same direction as the twist in the rope.



5. Once the tape coverage of one inch and two full wrap minimum is achieved, pull the tape until it breaks. Press any remaining loose end of tape onto the rope end.

