

USER MANUAL
CABLE STOCKINGS



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CABLE STOCKINGS

ASSESSMENT OF SUITABILITY

There are many factors that must be taken into account when assessing the suitability of a cable stocking for a proposed application and trying to calculate a pulling capacity.

These include:

- Size of cable stocking in relation to size/shape of gripped object(s)
- Stability of object(s) when gripped
- Gripped surface of object(s)
- Resistive force of object(s)
- Anticipated path of movement, including possible obstructions
- Approximate breaking strength of the cable stocking
- Condition of cable stocking
- Suitability and compatibility of any attachments used
- Environment / operating conditions
- Persons at risk

Please note: Cable stockings must be double securely seized and/or taped before being pulled

MINIMUM BREAKING LOAD

This is the calculated average based on actual testing done by the manufacturer. Minimum breaking loads are quoted as a guide only.

PULLING CAPACITY

Application pulling load is normally calculated to be reduced by at least a factor of 3x the approximate break load. Due to the wide variety of application parameters, the end user must apply a sensible safety factor to suit the safety requirements for the conditions of use.

The Pulling Capacity of a cable stocking will depend on the Factor of Safety (FOS) applied to the Minimum Breaking Load (MBL).

FACTOR OF SAFETY (FOS)

Where the operational risk is considered to be normal, it is recommended that a FOS of 3 be applied, for a high risk operation a significant increase of FOS should be considered. It is impossible to catalogue or guarantee a safety factor that will apply for all applications.

Minimum Breaking Loads mentioned on any statement, the recommended Factors of Safety, and any implied or stated fitness for purpose, are all only applicable when the cable stocking is as new and unused.

Torsional stress must be dealt with when using stockings for line pulls and wire splices. When twisting forces are present use a swivel that rotates under load to release torsional stress.



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Cable Stocking Safety Information

- Ensure that the cable stocking mesh fits conductor correctly
- Seize the ends of the cable stocking when attaching the conductor. We recommend between 1 ¼' and 2 ¼" from the end of the cable stockings
SEIZING AND/OR TAPING MUST BE USED ON CABLE STOCKINGS
- Never modify or attempt to repair any stocking
- Ensure proper maintenance of the cable stocking
- Check the condition of the cable stocking, and that it is the correct size for the intended application
– do not exceed the rated capacity
- Stockings that are worn, bent or otherwise damaged should not be used
- Stockings are only to be used for temporary installations
- Pulling devices should only be attached via the pulling eye
- Cable stockings must only be fitted and used by trained competent person(s)
- Cable stockings must not be used to their approximate breaking strength. A sensible safety factor must always be used.

TYPICAL CONFIGURATIONS





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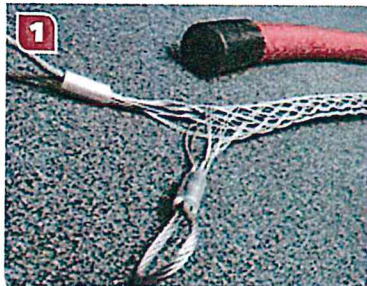
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SINGLE AND DOUBLE EYE CABLE STOCKING INSTRUCTIONS

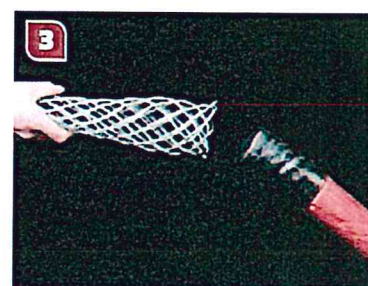
PLEASE NOTE: The condition of the cable stocking should always be checked prior to use. The correct size of stocking should always be used for the intended application. The rated capacity of the stocking should never be exceeded. Stockings that are worn, bent or otherwise damaged should not be used.



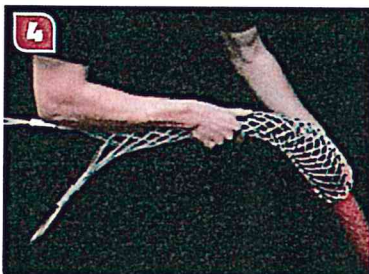
Select the stocking for the diameter of the cable.



Prior to use, the lattice at the end of the stocking needs to be widened. This can be easily achieved by pressing the end of the stocking against a hard surface, which causes the lattice to expand.



The stocking should then be placed over the end of the conductor...



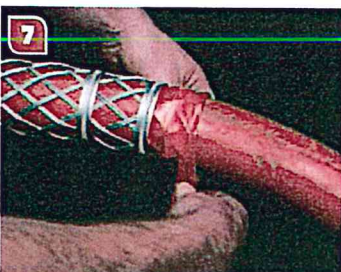
..... and pushed over the cable.



The stocking then needs to be pushed along so that all the lattice is in contact with the cable.



Once the cable stocking is in place on the cable, two clamps should be fitted to the end of the stocking (as shown). We recommend Between 1 ¼" (30 mm) and 2 ¼" (55 mm) away from the end of the cable stocking.



Tape should then be wound around the end of the cable stocking furthest away from the eye ends.



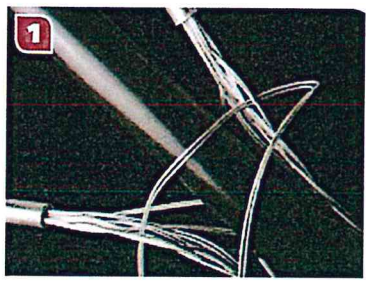
This will prevent the cable stocking from snagging when in use.



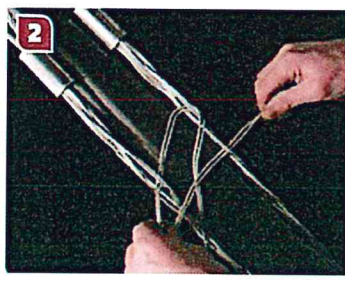
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LACE UP CABLE STOCKING INSTRUCTIONS

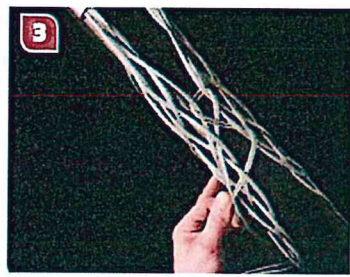
PLEASE NOTE: The images shown here use double weave cable stockings. When lacing single weave cable stockings please use single wire lace; use double-laced for double weave cable stockings; and use triple-laced for triple weave cable stockings.



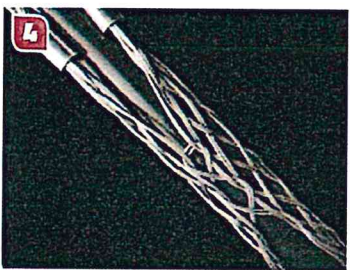
1 Start the lacing from the eye end or anchoring end of the cable stocking.



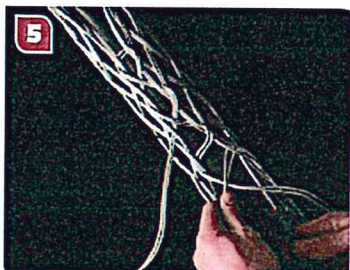
2 Thread the lace through the first two loops of the split and pull through until the laces are centered at this point.



3 Don't pull the lace too tight at this stage. Leave a space between adjoining loops roughly equal to the width of one diamond of the mesh.



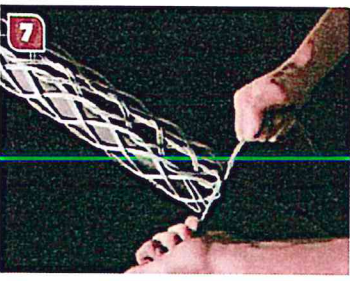
4 Continue down the length of the cable stocking. Try to maintain equal tension and equal spacing throughout as this leads to a more stable and equal grip.



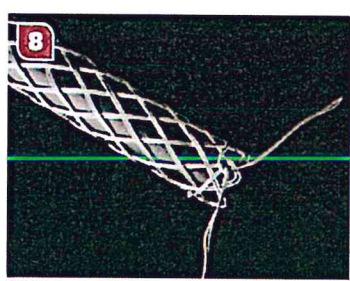
5 As you continue down the length, pull the open sides of the stocking as wide apart as required.



6 Try to achieve an even and neat lace-up as this assists with the strength of the stocking when pulling.



7 Finally, tie the ends of the lace once or twice round the end of the cable stocking twisting the ends together securely. Excess lace can be cut off.



8 Add any additional as required – banding is recommended. The cable stocking is now ready to use.