



Product Data Sheet

CVO-4000, Cable Vulcanizing Oven



An alternate cable repair method to a standard manual or hydraulic vulcanizer with molds, the Cable Vulcanizing Oven offers the following advantages:

- Same completed diameter as the original cable
- Variety of available cable repair lengths in one piece of equipment
- Methods of cable repair are very similar to traditional vulcanizer/mold system
- Molds are replaced by the use of sacrificial pressure tapes (Perlon, Cuprophane, Cotton).
- Variety of cable diameters up to 4" (10cm) are repaired in one piece of equipment
- A concentric, balanced cable repair all around without thin spots.
- Excellent repair results with both Hypalon and Neoprene jacketed cables and is quickly becoming the industry preference for TPU jacketed cable repairs
- Accepted industry standard for repairs of cable with Fibre-optics
- Best repair solution for reeling cables and small diameter cables.
- Highly portable, consisting of a two-part box with a separate temperature control unit

Traditional Vulcanizer/Molds VS Cable Vulcanizing Oven

Vulcanizer with Molds:

- Requires a jacket mold and a splice mold for each size of cable diameter in your operation
- Finished repair can be slightly larger than original cable diameter
- Depending upon skill of the repair technician, finished cable may move slightly in the mold
- Not recommended for TPU jacketed cable
- Higher initial investment when compared to vulcanizer oven method
- Uses a standard series of cable repair tapes
- Not recommended for repair of cables with fibre-optics
- Water tight, Flexible completed repair

Cable Vulcanizing Oven:

- One vulcanizing oven will repair a variety of cable diameters
- Finished repair is the exact diameter of the original cable
- Completed repair is concentric and balanced
- Preferred method for TPU jacketed cable
- Lower initial investment when compared to traditional vulcanizer/mold system
- Uses a standard series of cable repair tapes, as well as three additional sacrificial tapes replacing the need for a mold
- Accepted standard method for repair of cables with fibre-optics
- Water tight, Flexible completed repair



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Technical Specifications:

- Electrical: 4000W output, 220VAC, 1 Phase, 60 Hz
- 4000W radiant heating elements
- PCL control box
- Total shipping weight is 80 pounds, including the control box and accessories



Additional Sacrificial Tapes Required for use with the CVO-4000 Cable Vulcanizing Oven:



PER30-88, Perlon Tape, 30mm wide x 88 feet long. White with a black stripe. Once the standard cable repair is completed, Perlon tape is applied directly on top of the jacketing tape; the first layer of sacrificial tape required.

CPF-100, Cuprophane Foil, 30mm wide and sold by the kg. This clear film is applied more than once in the sacrificial tape process.

VCTN-100, Cotton Tape for Vulcanizer Oven. White Cotton. 30mm wide x 80 feet long. This cotton tape is applied as one of the final layers of sacrificial tape before cooking the repaired cable. One additional layer of cuprophane foil is applied to complete the process.

Mine Cable Services Corporation proudly manufactures our complete line of Cable Repair Vulcanizers including hydraulic, manual, all related mold and vulcanizing oven in Canada. MCS is also a supplier of all your cable repair materials and training in all methods of vulcanized cable repair.

Please contact MCS for further information.

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