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# ELE-3COP-258

## Title – Application of a Mylar™ Wrap to Hand Laid Cables.

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Before starting work please read this document carefully and note the guidance given.

### 1 Purpose and Scope

This COP describes the procedure to be used when applying Mylar™ Wrap to a hand laid cable. The instructions in this document take preference over IPC/WHMA requirements, as do the drawing and any customer documentation.

### 2 Performance Objective

This code of practice is produced to support operators already trained in the installation of heat shrinkable and harnessing products. It identifies the procedure to be used when installing Mylar™ Wrap to hand laid cables.

### 3 Materials and Equipment:

Cable or harness to be bound  
Mylar Wrap  
Adhesive tape (Paper)  
Holding Fixture (Small bench vice)  
Scissors

### 4 Health and Safety

Adhere to local Codes and Regulations relating to Safe Working practices. For the U.K. adhere to requirements of the Health and Safety at Work Act 1974 and subsequent amendments. A knife should never be used for cutting Mylar as this can easily cause personal injury.

### 5 Procedure

#### Selection

Mylar™ is a molecular oriented polyester film with very high dielectric and tensile strength. Do not try to tear Mylar™ by hand, always cut it with scissors.

It is used as a protective insulating tape wrap over a cable bundle and versions coated with aluminium can provide a cable shield.

Measure the cable diameter to be wrapped.

The width of Mylar™ wrap to be used should be 3 - 4 times that of the cable diameter.

#### Method

The Mylar™ wrap should be applied in the opposite direction to the outer most cable lay. Secure the Mylar™ wrap at the cable end using adhesive tape.



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Position a number of turns of Mylar™ wrap loosely around the cable bundle.  
Pull the Mylar™ wrap tightly ensuring a 40% to 50% overlap.  
Secure into position using the adhesive tape.  
Repeat procedure as many times as required to ensure the total cable length has been wrapped.  
When the entire cable length has been wrapped secure the end of the Mylar™ wrap in place using the adhesive tape.  
Remove all adhesive tapes from the Mylar™ wrap except those securing it to each end of the cable length.

#### 6 Inspection Requirements

Ensure Mylar™ is not scraped, nicked severed or otherwise damaged.  
All adhesive tapes are removed except for the end tapes.  
40% to 50% overlap wrap of Mylar™.

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4	CR06-DM-071	07/04/06	John Cronin	Ken Wallington
5	CR09-DM-018	29/01/09	Paul Newman	Neil Dorricott
6	Visual Identity	06/06/11	Paul Newman	Neil Dorricott

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