

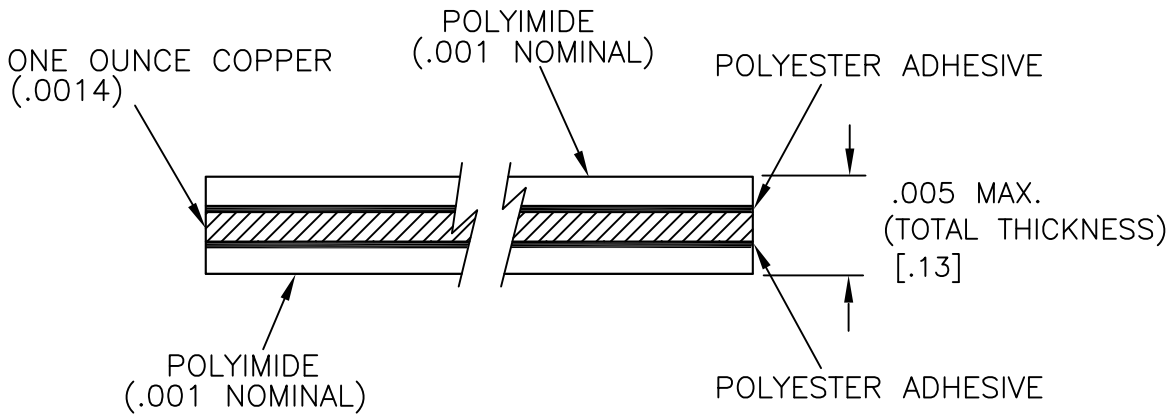
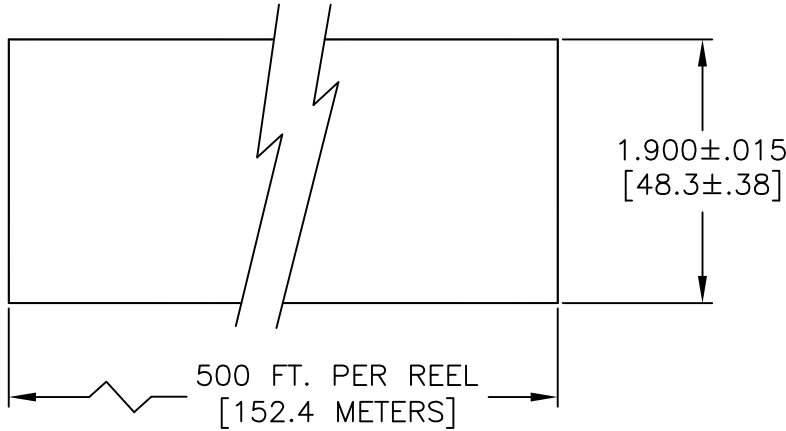
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REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	PER ECO-10-003119	FEB/11/2010	M.HIGGY
B	PER ECO-11-006734	Mar/31/2011	M.HIGGY

NOTES:

1. PACKAGE: 500 FEET PER REEL.
2. LENGTH TOLERANCE:  $\pm 2\%$
3. WHEN INSTALLED IN DIRECT CONTACT WITH FLAT CONDUCTOR CABLE, SURFACE TRANSFER IMPEDANCE LEVEL IS APPLICATION DEPENDENT.
4. THIS PRODUCT IS DESIGNED TO MEET THE REQUIREMENTS OF TYCO ELECTRONICS/RAYCHEM SPECIFICATION C-6119, QUALIFICATION IS PENDING.
5. SEE PAGE #2 FOR SPECIFIC CUSTOMER'S FOLDING REQUIREMENTS PRIOR TO EACH SHIPMENT.



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Raychem MTC  
CUSTOMER DRAWING

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UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES.  
METRIC DIMENSIONS ARE  
IN BRACKETS.

DECIMALS  
.XXX ± .010 [— mm]  
.XX ± .03 [— mm]

ANGLES  
.X — ± —

WEIGHT:  
5.74g(0.0127 Lbs) / ft. MAXIMUM

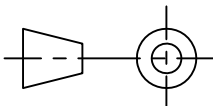
DRAWN	ZS.O.	Dec/21/09
CHECKED		
APPROVED		
APPROVED	M.HIGGY	Feb/1/2010
CAD NAME	CHA-0045CS2982	



Tyco Electronics  
300 Constitution Drive  
Menlo Park, CA 94025 U.S.A

TITLE  
1.900 INCH WIDE SHIELD FOR FLAT CABLE,  
COPPER-POLYIMIDE  
LAMINATE, 2 SIDES

THIRD ANGLE  
PROJECTION



SIZE	CAGE CODE:	DWG. NO.	REV
A	06090	CHA-0045CS2982	B

SCALE: NONE

SHEET 1 OF 2

## Fold Endurance

### 5.1 Test Procedure and Acceptance :

7 samples at 6 inch length each of the shield material shall be used for performing this folding test. The sample shall be folded at a right angle as shown in Figure 1 and placed on horizontal surface between two smooth surfaced flat metal plates.

A load (weight/force) of  $30 \pm 1$  lbf/in<sup>2</sup> shall be placed over the triangular area of the fold for a 15 minute duration. The specimen shall then be unfolded and the equivalent load applied to the unfolded, creased portion of the specimen for 15 minutes. This cycle of folding and unfolding shall be repeated once more, with the fold at the same place and in the same direction.

### 5.2 Inspection Criteria at the Folded Area

The specimen shall then be inspected at the folding area using the naked eye for evidence of cracks or delamination of the Polyimide layer and copper layer. There shall be no evidence of cracks or delamination of the Polyimide layer and copper layer. Delamination will be cause for rejection.

Stretching of the Polyimide layer, at the fold line characterized by an opaque line is acceptable as long as the width of the opaque line does not exceed 0.020 inches in width, see figure 2.

### 5.3 Inspection Criteria Outside the Folded Area:

The specimen shall be inspected for interior voids and delamination outside the folding area. The total areas of any evidence of Interior voids, or delamination between the Polyimide layers and copper layer should not exceed 0.001 inch square in an area of one inch square of the shield material. Otherwise the material will be rejected.

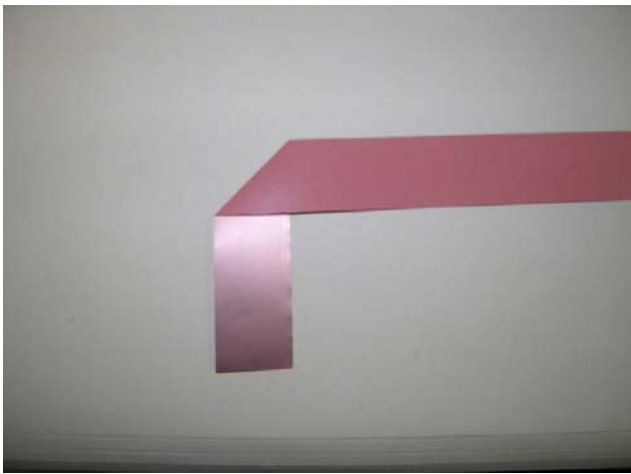


Fig 1

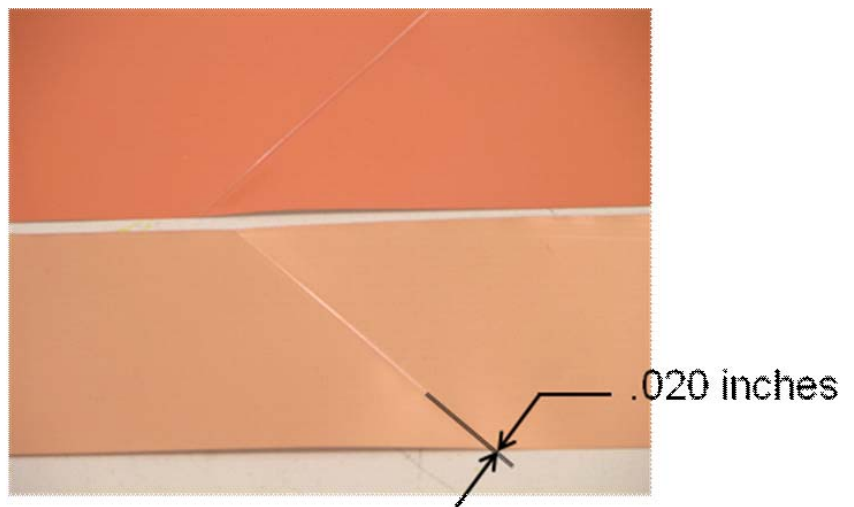


Fig 2

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Raychem MTC  
PRODUCTION DRAWING

DRAWN ZS.O. Feb/1/2010	THIRD ANGLE PROJECTION		SIZE	CAGE CODE:	DWG. NO.	REV
			A	06090	CHA-0045CS2982	B
			SCALE: NONE	SHEET 2 OF 2		