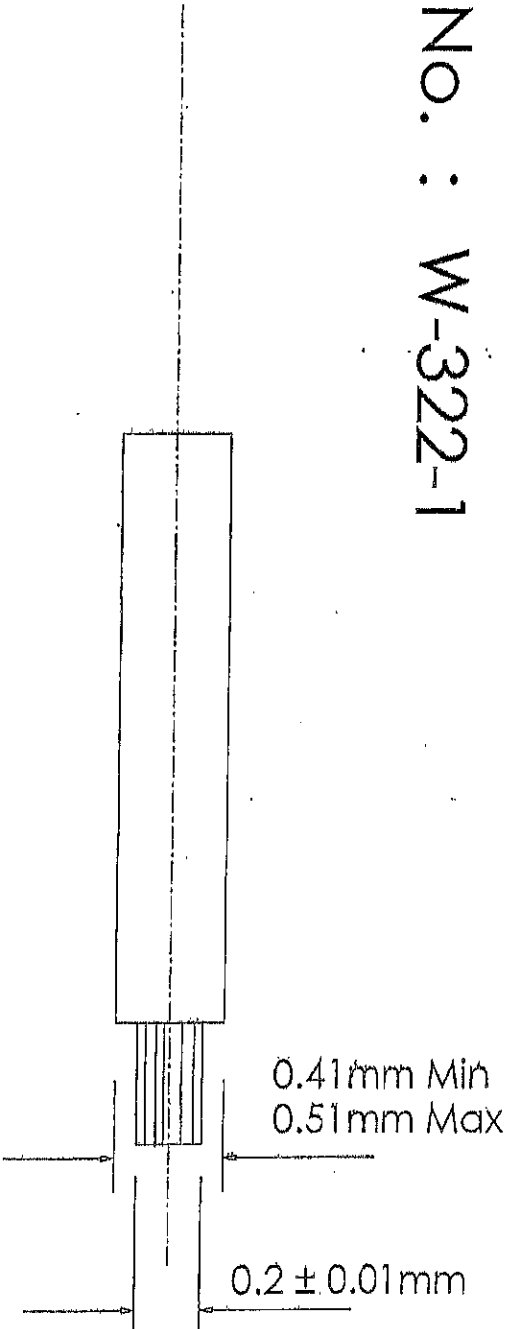


Part No. : W-322-1



SPECIFICATION :

AWG : 32  
 STRANDING : N/A  
 CONDUCTOR MATERIAL : ALLOY 180  
 PLATING : NONE  
 INSULATION TYPE : TEFZEL  
 INSULATION COLOR : WHITE  
 VENDOR : COLONIAL  
 VENDOR PART NO. : W-322-1  
 MAXIMUM CONTINUOUS  
 OPERATING TEMP : 150°C  
 VOLTAGE RATING : 250 V  
 INSULATED WIRE SHRINKAGE TEST  
 REF: BETATHERMIS QAP 4.10.1.

TOLERANCES (except as noted) DECIMAL #/-		REVISIONS		WIRE NUMBER	
ECON NUMBER		REV	DATE	BY	
DCO-2352		ORIG	16/01/02	SD	
DCO-2661					
DCO-2661		02	20/06/13	SD	DRAWN BY SD
		03	05/06/14	SD	ECON
					SCALE NONE
					DATE
					APP'D
					DRAWING NO.
					W-322-1

Measurement Specialties  
 UNIT 201/202  
 BALLYBRI INDUSTRIAL ESTATE  
 BALLYBRI, GALWAY

THE INFORMATION CONTAINED IN THIS DOCUMENT  
 IS CONFIDENTIAL AND MUST NOT BE DISCLOSED  
 EXCEPT AS AUTHORIZED IN WRITING BY  
 MEAS IRELAND LTD.



# QAP 4.10.1

## Insulated Wire Shrinkage Test

Part Number:		Description:		
Prepared by:	Shaun Morgan / Tina Mogan		Issue date:	28/01/02
Approved By:			Revision No:	00
Engineering Mgr.		Purchasing	Supersedes:	N/A
Quality Mgr.		Sales	ECN #	5243
Production Mgr.	N/A	Inventory	No. of pages	Page 1 of 2

### 1.0 PURPOSE:

The purpose of this document is to detail method to carry out a shrinkage test on all insulated raw material wire.

### 2.0 SCOPE:

This procedure applies to all insulated raw material wire.

### 3.0 EQUIPMENT:

Aging oven (preset temperature of 105 ° C.)

### 4.0 PROCEDURE:

**Note;** Each reel of wire, within same lot, is to be tested

- 4.1 Remove 5 feet from the beginning of each reel of wire and discard. Do not pull wire forcefully from reel.
- 4.2 Cut 6 lengths of wire, ensuring that each length is at least 6 inches long from reel with blade or snips.
- 4.3 Ensure that when wire is cut into lengths that it is cut correctly. No bare conductor wire should be visible. If conductor wire is visible, discard this sample and take another from reel.
- 4.4 Label wire to identify samples and place wire in aging oven. Ensure that oven temperature is stable.
- 4.5 Wire samples are to remain in oven for at least 3 to 4 hours.
- 4.6 After relevant time has elapsed, remove samples from oven and inspect wire for shrinkage.



### QAP 4.10.1

## Insulated Wire Shrinkage Test

Part Number:		Description:			
Prepared by:	Shaun Morgan / Tina Morgan			Issue date:	28/01/02
Approved By:				Revision No:	00
Engineering Mgr.		Purchasing		Supersedes:	N/A
Quality Mgr.		Sales	N/A	ECN #	5243
Production Mgr.	N/A	Inventory	N/A	No. of pages	Page 2 of 2

- 4.7 If wire has not shrunk in excess of 1/16", reel of wire is to be accepted.  
If wire has shrunk in excess of 1/16", reel of wire is to be rejected.

#### 5.0 ASSOCIATED DOCUMENTS:

- QAP 4.13 Control of Non Conforming Material.
- QAP 4.10 Receiving, Inspection and Testing.
- QAP 4.14 Corrective and Preventative Action