

# Coast Wire & Plastic Tech., Inc.

A LATSHAW ENTERPRISE  
1048 BURGROVE ST.  
CARSON, CA 90746

(310) 639-9473 Phone

(310) 763-2225 Fax

METACLAS P/N: **81-792733**

CWPT P/N: **10-0509**

Revision: **A**

Customer Name: **MC Electronics**

Alpha P/N: **5547**

## Preliminary Cable Specification

### Cable, 7/C 14 AWG Double Shielded

#### CONDUCTORS

Wire Size & Type: 14 AWG (41/30) Tinned Copper, 10-0100-154

Nom. Wire Diameter: 0.074

Insulation Type: PVC, 60-0600-35

Nom. Ins Thickness: 0.032

Conductor Diameter: **0.138**

Tolerance (+/-): 0.006

Colors: #1 Black #5 Yellow  
#2 Brown #6 Green  
#3 Red #7 Blue  
#4 Orange

#### ASSEMBLY

Core Cabling: 7/C Cabled

Lay Up: 1 + 6

Binder: Reemay Tape (100% Coverage, 25% Min. Overlap)

Drain: 14 AWG(41/30) Tinned Copper, 10-0100-154 (Touching Foil, Conductor Side)

Shield: Aluminum/Mylar/Aluminum (100% Coverage, 25% Min. Overlap)

#### SHIELD

Type: Braid

Material: Tinned Copper

Required Coverage: 65% minimum

Visual Coverage: 70.03%

AWG: #36, 10-0100-12

#### JACKET

Material Type: Gray PVC, 60-0600-43


Rip Cord: Nylon

Nom. Jkt Thickness: 0.064

Cable Diameter: **0.580**

Tolerance (+/-): 0.025

Print: Ink Color Black

Legend: E64207  AWM STYLE 2501 105°C 600V 14/7C --- RoHS --- LL58231 CSA AWM I/II A/B 105°C 600V FT1

#### TESTS

Test 1: Continuity

Test 2: Shorts

Test 3: Physical/Dimensional

#### MISCELLANEOUS

Put Ups: 1,000 ft.

Reel: Wood, 30" x 18" x 12", 42 lbs.

Cable Weight: Approx. 99 lbs/1,000 ft

#### APPROVALS

Singles: UL 1015 (105°C, 600V)

Final Product: UL 2501 (105°C, 600V)

Rev A Revised Per Sample - Added Reemay Binder, Braid Shield was 34 AWG, O.D. was .575" MC 8/12/10

UNCONTROLLED COPY	Dimensions in inches unless otherwise specified	UNCONTROLLED COPY
	.XXX = +/- .005 .XX = +/- .02 .X = +/- .1	

Prepared By: Mike Cother

Date: 7/13/2010

## Customer Approval:

Title: \_\_\_\_\_

Date: \_\_\_\_\_

#### PROPRIETARY NOTICE

This document and any other data disclosed herein is the sole property of Coast Wire & Plastic Tech., Inc. and may not be reproduced, used or disclosed in part or in whole, to anyone without the written consent of Coast Wire & Plastic Tech., Inc. Please note that CWPT does not warrant the specifications or designs developed with regard to Form, Fit, or Functionality for any specific end use application, and that the suitability of such and any future liability associated with the manufactured items is the sole responsibility of the end user.

