

# 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: 81-81513270

Revision: **None**  
CWPT Part Number: **07-0608**  
Revision: **None**  
ECO Number **None**

## Cable Specification

### Cable, 18/C 24 AWG Shielded (9 TP)

#### CONDUCTOR 24 AWG 9 Twisted Pairs

**Wire Size & Type:** 24 AWG (7/32) Tinned Copper, 10-0100-80  
**Nom. Wire Diameter:** 0.024  
**Spark Test:** 6000V  
**Insulation Type:** SR-PVC 105C 600V, UL 1061\*  
**Nom. Ins Thickness:** 0.010  
**Conductor Diameter:** **0.044**  
**Tolerance (+/-):** .002"

**Colors:** #1 White Paired With Black  
#2 White Paired With Brown  
#3 White Paired With Red

#4 White Paired With Orange  
#5 White Paired With Yellow  
#6 White Paired With Green

#7 White Paired With Blue  
#8 White Paired With Violet  
#9 White Paired With Gray

#### ASSEMBLY

**Core Cabling:** f + 1 + 8 TP's Cabled  
**Nom. Diameter:** **0.266**  
**Nom. Lay Length:** 3.20  
**Lay Direction:** Left  
**Filler:** White fibrillated polypropylene shall be used as required to form a uniform round construction

#### ARMOR SHIELD

**Type:** Braid  
**Material:** Tinned Copper  
**Required Coverage:** 90% Minimum  
**Actual Coverage:** 91.99%  
**AWG:** #36, 10-0100-12  
**Diameter over shield:** 0.286

#### JACKET

**Material Type:** Gray Glossy PVC, 80C, 81A.\*\*  
**Nom. Jkt Thickness:** 0.032  
**Cable Diameter:** **0.351**  
**Tolerance (+/-):** .012"  
**Print:** Ink Color Ink Jet Black  
**Legend:** E64207  AWM STYLE 2464 80°C 300V 24/18C -- RoHS -- LL58231 CSA AWM I/II A/B 80°C 300V FT1

#### TESTS

**Test 1:** Continuity  
**Test 2:** Shorts  
**Test 3:** Physical/Dimensional

#### MISCELLANEOUS

**Put Ups:** 2,000 on 24" Reel  
**Reel:** Wood 14 lbs.  
**Weight:** 170 lbs/2,000 ft.

#### APPROVALS

**Singles:** UL 1061 (80C, 300V), CSA  
**Final Product:** UL 2464 (80C, 300V), CSA

\* Wire also meets MIL-W-16878, rated 600 volts, +105C

\*\* Jacket material is military rated for 105C, meets MIL-I-631, Type F



**Drawn By:** Michael S. Howard  
**Title:** Mgr. Engineering  
**Date:** 10/30/2007

**Checked By:** \_\_\_\_\_  
**Title:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

**Approved By:** \_\_\_\_\_  
**Title:** \_\_\_\_\_  
**Date:** \_\_\_\_\_