

Coast Wire & Plastic Tech., Inc.

A LATSHAW ENTERPRISE
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CWPT Part Number: **04-0022-X**

Revision: **B**
ECO Number: **None**

Coaxial, 30 AWG Shielded 50 Ohms RG 178 Equivalent

CONDUCTOR

Wire Size & Type: 30 AWG (7/38) Silver Plated Non-Magnetic Soft-Annealed Copper, 10-0100-359

DC Resistance: 93.45 - 97-16 Ohms/mft

INSULATION

Spark Test: 500V

Insulation Type: Natural (clear) FEP, 205C, 60-1000-01

Nom. Ins Thickness: 0.011

Conductor Diameter: **0.033**

Tolerance (+/-): 0.001

SHIELD

Type: Braid

Material: Silver Plated Copper (nonmagnetic)

Required Coverage: 95% Minimum

Actual Coverage: 95.02%

AWG: #38, 10-0100-10

DC Resistance: 14.8 Ohms/mft

JACKET

Material Type: Glossy FEP, 60-1000-01

Separator: None

Nom. Jkt Thickness: 0.011

Cable Diameter: **0.070**

Tolerance (+/-): 0.003

Print: None

TESTS

Test 1: Continuity

Test 2: Shorts

Test 3: Physical/Dimensional

ELECTRICAL CHARACTERISTIC

Impedance: 50 Ohms +/- 2 Ohms

Capacitance: 34.5 pF/FT Nominal

APPROVALS

UL: UL 1375 (80°C, 30V) Or

UL 10313 (200°C, 600V)

Colors	Part Number
CLEAR	04-0022
BLACK	04-0022-0
BROWN	04-0022-1
RED	04-0022-2
ORANGE	04-0022-3
YELLOW	04-0022-4
GREEN	04-0022-5
BLUE	04-0022-6
VIOLET	04-0022-7
GRAY	04-0022-8
WHITE	04-0022-9
WHITE/BLACK	04-0022-90
WHITE/BROWN	04-0022-91
WHITE/RED	04-0022-92
WHITE/ORANGE	04-0022-93
WHITE/YELLOW	04-0022-94
WHITE/GREEN	04-0022-95
WHITE/BLUE	04-0022-96

MHz	Calculated Attenuation dB/100 ft
10	3.14
20	4.44
40	6.30
60	7.73
80	8.94
100	10.01
200	14.22
300	17.48
400	20.25



Rev B Added UL 1375

MC 1/20/2010

Rev A Added Calculated Attenuation values

JQ 10/29/09

Drawn By: *Mike Schlie*

Checked By: *M Cother*

Approved By: *J Quinones*

Title: Process Engineer

Title: Design Engineer

Title: Process Engineer

Date: 01/13/2004

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