

Part Number: C1103

Revision Level: 09

Date: September 19, 2012

1C 22 7/30 BC FPE OAS PVC

RG 59/U TYPE COAXIAL CABLE

A. CONSTRUCTION

- | | | | |
|----|---------------|---|-------------------|
| 1) | CONDUCTOR: | #22 AWG 7/30 Bare Copper | 0.030" nom. |
| 2) | INSULATION: | 0.058" Wall Foamed Polyethylene | 0.146" nom. |
| 3) | BRAID: | Bare Copper Braid
95% Nom. Coverage | 0.174" nom. |
| 4) | JACKET: | 0.034 Wall Polyvinyl Chloride - Black | 0.242" +/- 0.007" |
| 5) | PRINT LEGEND: | <i>CAROL(R)--C1103--RG59/U TYPE 75 OHM COAXIAL CABLE--1C 22 AWG SWEPT TO 3 GHZ - E60233-F CL2 (UL) OR CM c(UL)us 75C - ROHS-- MADE IN USA (DATE OF MFG MO/YR & SEQ.FTG MARKING)</i> | |

DIAMETERS

B. INDUSTRY APPROVALS

National Electrical Code	Article 725
UL Standard 13	Type CL2
National Electrical Code	Article 800
UL & CSA Standard 444	Type CM
UL Subject 758	AWM Style 1354

C. ELECTRICAL PROPERTIES

- | | | |
|-----|--|---------------------------------|
| 1) | TEMPERATURE: | -20C to +75C |
| 2) | SUGGESTED WORKING VOLTAGE (V _{rms}): | 300V Max. |
| 3) | CONDUCTOR D.C. RESISTANCE: | 14.80 Ohms/1000 ft. nom. @ 20 C |
| 4) | SHIELD RESISTANCE: | 2.6 Ohms/1000 ft. nom. @ 20 C |
| 5) | CAPACITANCE: | 16.20 pF/ft. @ 1kHz nom. |
| 6) | CHARACTERISTIC IMPEDANCE: | 77 Ohms @ 1 MHz nom. |
| 7) | VELOCITY OF PROPAGATION | 78 % nom. |
| 8) | TIME DELAY: | 1.32 ns/Ft |
| 9) | INDUCTANCE: | 0.104 micro-h/Ft |
| 10) | ATTENUATION (NOMINAL): | |

FREQ. (MHz)	dB/100 ft.
1	0.26
10	0.91
50	2.09
100	3.00
200	4.33
500	7.03
1000	10.64
1450	12.81
1800	14.28
2200	15.78
3000	18.43

Note: Data are subject to change without notice. Contact your Customer Service representative for latest information.

Rev. 06: Transferred from Manchester (01/20/2005)

Rev. 07: Added RoHS; edit print legend revise cap from 17 to 16.2 and VOP from 76 to 81% - GT 09/07/2010

Rev. 08: remove CATV & AWM, added time delay & inductance edit VOP - GT 06/02/2011

Rev. 09: Added ROHS to legend-DB, 09/19/12