

Part Number: C1102

Revision Level: 05

Date: May 21, 2013

1C 20 SOLID BCCS FOAM PE OAS PE

RG 59/U TYPE COAXIAL CABLE

A. CONSTRUCTION

		<u>DIAMETERS</u>
1)	CONDUCTOR: #20 AWG Solid Bare Copper-Clad Steel	0.032" nom.
2)	INSULATION: 0.057" Wall Foamed Polyethylene	0.146" nom.
3)	BRAID: Bare Copper Braid 95% Nom. Coverage	0.174" nom.
4)	JACKET: 0.034 Wall Polyethylene - Black	0.242" +/- 0.007"
5)	PRINT LEGEND: <i>CAROL(R) -- C1102 -- RG59/U TYPE 75 OHM COAXIAL CABLE-- 1C 20 AWG SWEPT TO 3 GHZ — ROHS -- MADE IN USA</i>	

B. INDUSTRY APPROVALS

NONE

C. ELECTRICAL PROPERTIES

1)	TEMPERATURE:	-60C to +80C
2)	SUGGESTED WORKING VOLTAGE (Vrms):	300V Max
3)	CONDUCTOR D.C. RESISTANCE:	45.9 Ohms/1000 ft. nom. @ 20 C
4)	SHIELD RESISTANCE:	3.5 Ohms/1000 ft. nom. @ 20 C
5)	CAPACITANCE:	17.3 pF/ft. @ 1kHz nom.
6)	CHARACTERISTIC IMPEDANCE:	75 Ohms @ 1 MHz nom.
7)	VELOCITY OF PROPAGATION	82.0 % nom.
8)	ATTENUATION (NOMINAL):	

FREQ. (MHz)	dB/100 ft.
1	0.29
10	0.91
50	2.06
100	2.94
200	4.20
500	6.81
1000	9.91
1450	12.16
1800	13.71
2200	15.35
3000	18.32

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