

Part Number: C1155

Revision Level: 04

Date: November 16, 2010

1C 20 19/32 TC; PE OAS NCPVC

RG 58C/U TYPE COAXIAL CABLE

A. CONSTRUCTION

- | | | | |
|----|---------------|--|-------------------|
| 1) | CONDUCTOR: | #20 AWG 19/32 Tinned Copper | 0.039" nom. |
| 2) | INSULATION: | 0.0385" Wall Solid Polyethylene | 0.116" nom. |
| 3) | BRAID: | Tinned Copper Braid
95% Nom. Coverage | 0.138" nom. |
| 4) | JACKET: | 0.028 Wall Non-Contaminating PVC - Black | 0.195" +/- 0.005" |
| 5) | PRINT LEGEND: | <i>CAROL (R) -- C1155 — RG58C/U TYPE 50 OHM COAXIAL CABLE -- MADE IN USA -- (MO/YR & SEQ/ FTG MARKING)</i> | |

DIAMETERS

B. INDUSTRY APPROVALS

MIL-C-17G

RG58C/U TYPE

C. ELECTRICAL PROPERTIES

- | | | |
|----|--|---------------------------------|
| 1) | TEMPERATURE: | -20C to +80C |
| 2) | SUGGESTED WORKING VOLTAGE (V _{rms}): | 30 |
| 3) | CONDUCTOR D.C. RESISTANCE: | 10.08 Ohms/1000 ft. nom. @ 20 C |
| 4) | SHIELD RESISTANCE: | 4.3 Ohms/1000 ft. nom. @ 20 C |
| 5) | CAPACITANCE: | 30.0 pF/ft. @ 1kHz nom. |
| 6) | CHARACTERISTIC IMPEDANCE: | 50 Ohms @ 1 MHz nom. |
| 7) | VELOCITY OF PROPAGATION | 66.0 % nom. |
| 8) | ATTENUATION (NOMINAL): | |

FREQ. (MHz)	dB/100 ft.
1	0.42
10	1.50
50	3.70
100	5.40
200	8.10
360	12.20
500	13.86
1000	19.00
2000	28.00
3000	36.00

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

REV. 03: Was dated 01/05/2000 from Manchester

REV. 04: edit cond from 19/.0071 to 19/32 , revise print E# , temp from -20C to +80C, edit attenuation up to 3GHz & RoHS compliant – GT