

Part Number: C1180

Revision Level: 06

Date: 09/02/2010

1C 9.5 SOLID BCCS PE FILAMENT AIRCORE OAS PVC

RG 8/U TYPE COAXIAL CABLE

A. CONSTRUCTION

- | | | | |
|----|---------------|--|-------------------|
| 1) | CONDUCTOR: | #9.5 AWG Solid Bare Copper | 0.108" nom. |
| 2) | SPACER: | 0.060" DIA. Oriented Polyethylene (Spiral Wrap) | 0.228" nom. |
| 3) | INNER TUBE: | .029" Wall LD-Polyethylene | 0.285" nom. |
| 4) | FOIL TAPE: | Aluminum/Polyester/Aluminum Bonded | 0.289" nom. |
| 5) | BRAID: | Tinned Copper Braid
88% Nom Coverage | 0.317" nom. |
| 6) | JACKET: | 0.044 Wall Polyvinyl Chloride - Black | 0.405" +/- 0.010" |
| 7) | PRINT LEGEND: | <i>CAROL(R)--C1180—RG 8/U TYPE 50 OHM COAXIAL CABLE—ROHS -- MADE IN USA (MO/YR & SEQ/ FTG MARKING)</i> | |

DIAMETERS

B. INDUSTRY APPROVALS

NONE

C. ELECTRICAL PROPERTIES

- | | | |
|----|--|-------------------------------|
| 1) | TEMPERATURE: | -20C to +80 C |
| 2) | SUGGESTED WORKING VOLTAGE (V _{rms}): | 300 Max. |
| 3) | CONDUCTOR D.C. RESISTANCE: | 0.9 Ohms/1000 ft. nom. @ 20 C |
| 4) | SHIELD RESISTANCE: | 1.8 Ohms/1000 ft. nom. @ 20 C |
| 5) | CAPACITANCE: | 24.60 pF/ft. @ 1kHz nom. |
| 6) | CHARACTERISTIC IMPEDANCE: | 50 Ohms @ 1 MHz nom. |
| 7) | VELOCITY OF PROPAGATION | 84.0 % nom. |
| 8) | ATTENUATION (NOMINAL): | |

FREQ. (MHz)	dB/100 ft.
1	0.13
10	0.40
50	0.90
100	1.30
200	1.80
500	3.00
1000	4.50
4000	11.00

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

REV. 05; 12/01/00

REV. 06: Added mo/yr and seq ftg and ROHS to spec - GT 09/02/10