

Part Number: C1178A

Revision Level: 02

Date: March 15, 2013

## 1C 20 19/32 TC; PE OAS PVC

## RG 58A/U TYPE COAXIAL CABLE

### A. CONSTRUCTION

- |    |               |   |                   |
|----|---------------|---|-------------------|
| 1) | CONDUCTOR:    | #20 AWG 19/32 Tinned Compressed Copper  | 0.0375" nom.      |
| 2) | INSULATION:   | Solid Polyethylene  | 0.116" nom.       |
| 3) | BRAID:        | Tinned Copper Braid<br>95% Nom. Coverage  | 0.138" nom.       |
| 4) | JACKET:       | 0.028 Wall Polyvinyl Chloride - Black   | 0.195" +/- 0.005" |
| 5) | PRINT LEGEND: | <b>CAROL (R) -- C1178A — RG58A/U TYPE 50 OHM COAXIAL CABLE - 1C20 AWG<br/>AWM 1354 80C E18621-F – ROHS -- MADE IN USA -- (MO/YR &amp; SEQ/ FTG MARKING)</b> |                   |

### DIAMETERS

### B. INDUSTRY APPROVALS

UL Subject 758  
MIL-C-17A

AWM Style 1354  
RG58/U TYPE

### C. ELECTRICAL PROPERTIES

- |    |                                   |                                 |
|----|-----------------------------------|---------------------------------|
| 1) | TEMPERATURE:                      | -20C to +80C                    |
| 2) | SUGGESTED WORKING VOLTAGE (Vrms): | 300V Max ( AWM 30V max)         |
| 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.