

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
95% Nom. Coverage | 0.138" nom. |
| 4) | JACKET: | 0.028 Wall Polyvinyl Chloride - Black | 0.195" +/- 0.005" |
| 5) | PRINT LEGEND: | CAROL (R) -- C1178A — RG58A/U TYPE 50 OHM COAXIAL CABLE - 1C20 AWG
AWM 1354 80C E18621-F – ROHS -- MADE IN USA -- (MO/YR & SEQ/ FTG MARKING) | |

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 (V _{rms}): | 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.