

PRODUCT DATA SHEET

Prepared By: Jason Gieske
Approved By:
Date: 6/17/98

Part Number: C1178
Revision Level: 01

1C 20 19/0.0071 TC PE OAS PVC

RG 58 A/U TYPE COAXIAL CABLE

A. CONSTRUCTION

DIAMETERS

| | | |
|------------------|--|---------------------|
| 1) CONDUCTOR: | #20 AWG 19/.0071 TC | 0.036" nom. |
| 2) INSULATION: | 0.040" Wall Polyethylene | 0.116" + / - 0.003" |
| 3) BRAID: | #36 AWG Tinned Copper 95% Min. Coverage | 0.138" nom. |
| 4) JACKET: | 0.028" Wall Polyvinyl Chloride - BLACK | 0.195" + / - 0.010" |
| 5) PRINT LEGEND: | CAROL (R) --C1178-- RG58A/U TYPE 50 OHM COAXIAL CABLE -- 1C 20 AWG E18621-8 (UL) 60C AWM 1354 --- MADE IN USA | |

B. INDUSTRY APPROVALS

None

C. ELECTRICAL PROPERTIES

| | |
|---------------------------------|-------------------------------|
| 1) VELOCITY OF PROPAGATION: | 66% nom. |
| 2) TEMPERATURE/WORKING VOLTAGE: | 75C / 1900 Vrms max. |
| 3) CONDUCTOR D.C. RESISTANCE: | 11.8 Ohms/1000 ft. nom. @ 20C |
| 4) SHIELD D.C. RESISTANCE: | 4.67 Ohms/1000 ft. nom. @ 20C |
| 5) CAPACITANCE: | 31 pF/ft. @ 1KHz nom. |
| 6) CHARACTERISTIC IMPEDANCE: | 50 Ohms. @ 1MHz nom. |
| 7) ATTENUATION: | |

| FREQ. (MHz) | dB/100 ft. nom. |
|-------------|-----------------|
| 50 | 3.3 |
| 100 | 4.9 |
| 200 | 7.3 |
| 400 | 11.5 |
| 900 | 20.0 |

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