



PRODUCT DATA SHEET



Part Number: C3527

Revision Level: 01

Date: 06/15/2011

**1C 20 SOLID CCS,FOAM FEP, OAQS, FLEXGUARD
PVC JKT**

**RG 59/U TYPE QUAD SHIELD
COAXIAL PLENUM CABLE**

A. CONSTRUCTION

DIAMETERS

- | | | | |
|----|---------------|--|-------------------|
| 1) | CONDUCTOR: | #20 AWG Solid Bare Copper –Clad Steel | 0.032" nom. |
| 2) | INSULATION: | 0.052" Wall Foamed Fluoropolymers | 0.135" nom. |
| 3) | TAPE: | Aluminum/Polyester/Aluminum - Bonded | 0.140" nom. |
| 4) | BRAID: | 34 AWG Aluminum Braid – 60% Nom Coverage | 0.172" nom. |
| 5) | TAPE: | Aluminum/Polyester/Aluminum | 0.177" nom. |
| 6) | BRAID: | 34 AWG Aluminum Braid – 40% Nom Coverage | 0.205" nom. |
| 7) | JACKET: | 0.015" Wall Flexguard; PVC | 0.235" +/- 0.010" |
| 8) | PRINT LEGEND: | CAROL(R) -- C3527 -- RG59/U TYPE 75 OHM QUAD SHIELD – 3.0 GHZ – 1C
20 AWG CL2P—CATVP (ETL) OR CMP c(ETL)us 3084997 — MADE IN USA --
(MFG CODE; MM/YY & TRU-MARK SEQ. FT. MKGS | |

B. INDUSTRY APPROVALS

National Electrical Code
UL Standard 13
National Electrical Code
UL & CSA Standard 444
National Electrical Code
UL Standard 1655
EU 2002/95/EC

Article 725
Type CL2P (ETL)
Article 800
CMP c(ETL)us
Article 820
Type CATVP (ETL)
RoHS Compliant

C. ELECTRICAL PROPERTIES

- | | | |
|----|-----------------------------------|----------------------------------|
| 1) | TEMPERATURE: | -10C to +60 °C |
| 2) | SUGGESTED WORKING VOLTAGE (Vrms): | CL2P/150V; CMP/300V; CATVP/60V |
| 3) | CONDUCTOR D.C. RESISTANCE: | 45.90 Ohms/1000 ft. nom. @ 20 °C |
| 4) | SHIELD RESISTANCE: | 6.30 Ohms/1000 ft. nom. @ 20 °C |
| 5) | CAPACITANCE: | 16.0 pF/ft. @ 1kHz nom. |
| 6) | CHARACTERISTIC IMPEDANCE: | 75 Ohms @ 1 MHz nom. |
| 7) | VELOCITY OF PROPAGATION | 84.0 % nom. |
| 8) | SWEEP TEST 5-3000 MHz: | 20 dB SRL nom. |
| 9) | ATTENUATION (NOMINAL): | |

FREQ. (MHz)	dB/100 ft.
1	0.34
10	1.07
50	1.77
100	2.50
200	3.53
500	5.98
1000	8.45
2300	14.10
3000	18.76

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

Rev: 00; 09/17/2002 – from Manchester

Rev. 01: Added CATVP, up to 3.0 GHZ, change to ETL and Tru-Mark print legend – GT 06/15/2011