



PRODUCT DATA SHEET



Part Number: C3524

Revision Level: 8

Date: 06/15/2011

1C 18 SOLID BCCS,FOAM FEP, OAS, FLEXGUARD PVC JKT

RG 6/U TYPE PLENUM COAXIAL CABLE

A. CONSTRUCTION

- | | | | |
|----|---------------|---|-------------------|
| 1) | CONDUCTOR: | #18 AWG Solid Bare Copper-Clad Steel | 0.040" nom. |
| 2) | INSULATION: | 0.065" Wall Foamed Fluoropolymers | 0.170" nom. |
| 3) | TAPE: | Aluminum/Polyester/Aluminum - Bonded | 0.175" nom. |
| 4) | BRAID: | 34 AWG Aluminum Braid
80% Nom. Coverage | 0.202" nom. |
| 5) | JACKET: | 0.015" Wall Flexguard; PVC | 0.232" +/- 0.008" |
| 6) | PRINT LEGEND: | CAROL(R) - -C3524 — RG6/U TYPE 75 OHM COAXIAL CABLE — 3.0 GHZ - 1C
18 AWG CL2P—CATVP—CMP (ETL) c(ETL)us 3084997 — MADE IN USA (MFG
CODE; MM/YY & TRU-MARK SEQ. FT. MKGS) | |

DIAMETERS

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: | 28.9 Ohms/1000 ft. nom. @ 20 °C |
| 4) | SHIELD RESISTANCE: | 4.93 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 | 83.0 % nom. |
| 8) | SWEEP TEST 5-3000 MHz: | 20 dB SRL nom. |
| 9) | ATTENUATION (NOMINAL): | |

FREQ. (MHz)	dB/100 ft.
1	0.30
10	0.66
50	1.50
100	2.10
200	3.10
360	4.11
500	5.00
700	6.40
1000	7.30
1450	8.56
1800	9.72
2300	12.20
3000	14.28

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

Rev: 03: October 12, 2006 – from Manchester

Rev. 04: edit print legend 10/28/09 GT

Rev. 05: add E86009 to print , edit 2.3 GHZ to 3.0 GHZ and edit attenuation table up to 3.Ghz – 6/23/10 GT

Rev. 06: correct cond and braid type and attn table to catalog – GT 07/02/10

Rev. 07; added CATVP to print – GT 04/11/11

Rev. 08: change to ETL and Tru-Mark print legend – GT 06/15/2011