

Part Number: C8025

Revision Level: 03

Date: 05/14/2012

**1C 22 BC FMPE OA BS, 2C 22 AWG TC PVC OAS,
SIAMESE FR-PVC JKT**

**RG 59/U Type Coaxial & 2/C 22 AWG
Shielded Siamese CCTV - Cable**

A. CONSTRUCTION A

- 1) CONDUCTOR: #22 AWG 7/30 Bare Copper
- 2) INSULATION: 0.057" Wall Foamed Polyethylene
- 3) BRAID SHIELD: Bare Copper Braid (95% Coverage)

DIAMETERS

- 0.030" nom.
0.144" nom.
0.171" nom.

B. CONSTRUCTION B

- 1) CONDUCTOR: #22 AWG 7/30 Tinned Copper
- 2) INSULATION: 0.012" Wall Polyvinyl Chloride
- 3) SHIELDED CABLE: 2 conductors (Black, Red) – shielded @2.0" LHL with #24 AWG 7/32 Tinned Copper Drain Wire and Aluminum/Polyester Tape (Foil Side-In)

- 0.030" nom.
0.054" nom.
0.113" nom.

C. FINAL CABLE

- 1) JACKET: 0.032" Wall Polyvinyl Chloride
Major dim: 0.445" +/- 0.024"
Minor dim: 0.242" +/- 0.012"
- 2) PRINT LEGEND: **CAROL (R) -- C8025 -- RG 59/U TYPE COAX -- 1C 22 AWG + 2C 22 AWG SHIELDED CL2 (ETL) OR CM c(ETL)us 75C 3084997 — MADE IN USA (MFG CODE; MM/YY & TRU-MARK SEQ. FT. MKGS)**

D. INDUSTRY APPROVALS

UL Standards 13
National Electric Code

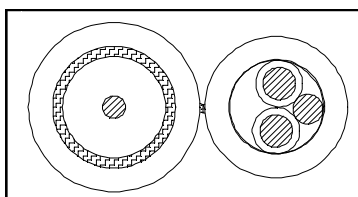
Type CL2 (ETL)
Article 725

UL & CSA Standards 444
National Electric Code
EU 2002/95/EC

Type CM c(ETL)us
Article 800
RoHS Compliant

E. ELECTRICAL PROPERTIES

- 1) TEMPERATURE: -20C to +75C
- 2) SUGGESTED WORKING VOLTAGE (Vrms): 300V MAX
- 3) CONDUCTOR D.C. RESISTANCE A: 14.8 Ohms/1000 ft. nom. @ 20 C
- 4) CONDUCTOR D.C. RESISTANCE B: 16.65 Ohms/1000 ft. nom. @ 20 C
- 5) SHIELD RESISTANCE A: 3.00 Ohms/1000 ft. nom. @ 20 C
- 6) SHIELD RESISTANCE B: 7.20 Ohms/1000 ft. nom. @ 20 C
- 7) MUTUAL CAPACITANCE A: 17 pF/ft. @ 1 kHz nom.
- 8) MUTUAL CAPACITANCE B: 38 pF/ft. @ 1kHz nom.
- 9) GROUND CAPACITANCE B: 68 pF/ft. @ 1kHz nom.
- 10) CHARACTERISTIC IMPEDANCE A: 77 Ohms @ 1 MHz nom.
- 11) CHARACTERISTIC IMPEDANCE B: 65 Ohms @ 1 MHz nom.
- 12) Attenuation:



FREQ. (MHz)	dB/100 ft.
1	0.26
10	0.91
50	2.09
100	3.00
200	4.33
500	7.03
1000	10.64

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

Rev.0: ORIGINAL FROM MANCHESTER (January 14, 2003)

Rev. 1: revise cap for B from 51 to 38 and cap to grd from 92 to 68 and imp for B from 55 to 65 – (February 25, 2010) // GT

Rev. 2: remove CATV from print legend / GT (3/15/2010)

Rev. 3: revise spec from UL to ETL, Remove AWM GT/ 5/14/12