

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 | 0.030" nom. |
| 2) | INSULATION: | 0.057" Wall Foamed Polyethylene | 0.144" nom. |
| 3) | BRAID SHIELD: | Bare Copper Braid (95% Coverage) | 0.171" nom. |

DIAMETERS

B. CONSTRUCTION B

- | | | | |
|----|-----------------|--|-------------|
| 1) | CONDUCTOR: | #22 AWG 7/30 Tinned Copper | 0.030" nom. |
| 2) | INSULATION: | 0.012" Wall Polyvinyl Chloride | 0.054" nom. |
| 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) | 0.113" nom. |

C. FINAL CABLE

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|----|---------------|---|------------------------------|
| 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

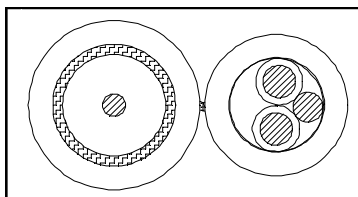
Type CL2 (ETL)
Article 725

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