

Part Number: C8027

Revision Level: 08

Date: 05/14/2012

**1C 22 SBC FMPE OA BS, 2C 18 AWG BC PVC OAS,
SIAMESE FR-PVC JKT**

**RG 59/U Type Coaxial & 2/C 18 AWG
Shielded Siamese CCTV - Cable**

A. CONSTRUCTION A

		DIAMETERS
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.

B. CONSTRUCTION B

1)	CONDUCTOR: #18 AWG 16/30 Bare Copper	0.046" nom.
2)	INSULATION: 0.013" Wall Polyvinyl Chloride	0.072" nom.
3)	SHIELDED CABLE: 2 conductors (Black, Red) – shielded @2.25" LHL with #22 AWG 7/30 Tinned Copper Drain Wire and Aluminum/Polyester Tape (Foil Side-In)	0.149" nom.

C. FINAL CABLE

1)	JACKET: 0.032" Wall Polyvinyl Chloride	Major dim: 0.470" +/- 0.024"
		Minor dim: 0.242" +/- 0.012"
2)	PRINT LEGEND: CAROL (R) -- C8027 -- RG 59/U TYPE COAX -- 1C 22 AWG + 2C 18 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

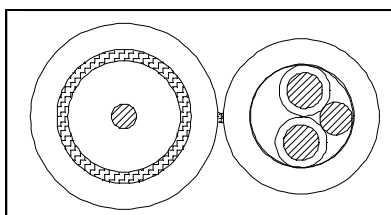
Type CL2 (ETL)
Article 725

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:	6.65 Ohms/1000 ft. nom. @ 20 C
5)	SHIELD RESISTANCE A:	3.00 Ohms/1000 ft. nom. @ 20 C
6)	SHIELD RESISTANCE B:	6.20 Ohms/1000 ft. nom. @ 20 C
7)	MUTUAL CAPACITANCE A:	17 pF/ft. @ 1 kHz nom.
8)	MUTUAL CAPACITANCE B:	45 pF/ft. @ 1kHz nom.
9)	GROUND CAPACITANCE B:	81 pF/ft. @ 1kHz nom.
10)	CHARACTERISTIC IMPEDANCE A:	77 Ohms @ 1 MHz nom.
11)	CHARACTERISTIC IMPEDANCE B:	43 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.4: ORIGINAL FROM MANCHESTER (JUNE 2, 2005)
Rev. 5: Remove CATV from Print legend (January 22, 2009)
Rev. 6: Added CATV to Print Legend and other notes – (February 25, 2010) GT
Rev. 7: remove CATV from print legend / GT (03/15/2010)
Rev. 8: revise spec from UL to ETL, Remove AWM GT/ 5/14/12