

Part Number: C8029

Revision Level: 05

Date: 05/14/2012

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

**RG 6/U Type Coaxial & 2/C 18 AWG Siamese CCTV - Cable**

**A. CONSTRUCTION A (COAX)**

		<u>DIAMETERS</u>
1)	CONDUCTOR: #18 AWG Solid Bare Copper	0.040" nom.
2)	INSULATION: 0.070" Wall Foamed Polyethylene	0.180" nom.
3)	FOIL SHIELD: 100% Flex Foil AMA Bonded Tape	0.185" nom.
4)	BRAID SHIELD: Bare Copper Braid (95% Coverage)	0.211" nom.

**B. CONSTRUCTION B (PAIR)**

1)	CONDUCTOR: #18 AWG 7/.0152 Bare Copper	0.046" nom.
2)	INSULATION: 0.010" Wall Polyvinyl Chloride	0.066" nom.
3)	CABLE: 2 conductors (Black, Red)	0.132" nom.

**C. FINAL CABLE**

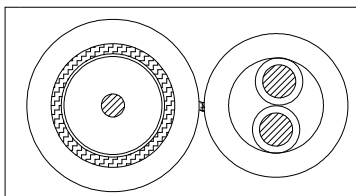
1)	JACKET: 0.032" Wall Polyvinyl Chloride	Major dim: 0.496" Nom
		Minor dim: (coax) 0.275" Nom
		Minor dim: (pair) 0.196" Nom.
2)	PRINT LEGEND: <b>CAROL (R) -- C8029 -- RG 6/U TYPE COAX – 1C 18 AWG + 2C 18 AWG CL2 (ETL) OR CM c(ETL)us 75C 3084997 — MADE IN USA (MFG CODE; MM/YY &amp; TRU-MARK SEQ. FT. MKGS)</b>	

**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:	6.39 Ohms/1000 ft. nom. @ 20 C
4)	CONDUCTOR D.C. RESISTANCE B:	6.65 Ohms/1000 ft. nom. @ 20 C
5)	SHIELD RESISTANCE A:	1.90 Ohms/1000 ft. nom. @ 20 C
6)	MUTUAL CAPACITANCE A:	17 pF/ft. @ 1 kHz nom.
7)	CAPACITANCE B: (Conductor – Conductor)	18.0 pF/ft. @ 1kHz nom.
8)	CHARACTERISTIC IMPEDANCE A:	75 Ohms @ 1 MHz nom.
9)	Attenuation:	



FREQ. (MHz)	dB/100 ft.
1	0.26
10	0.81
50	1.46
100	2.05
200	2.83
500	4.53
1000	6.59

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

Rev. 3: remove Impedance for (B) and fix cap for (B) from 29 to 18 and cond-cond – GT (04/22/2010)

Rev. 4: revise diameter tolerances to Nom / GT

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