

Part Number: C8031

Revision Level: 04

Date: 05/14/2012

**1C 18 SBC FOAM FEP OA BS, 2C 18 AWG BC Halar,
SIAMESE PLENUM PVC JKT**

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

A. CONSTRUCTION A

1)	CONDUCTOR:	#18 AWG Solid Bare Copper	0.040" nom.
2)	INSULATION:	0.065" Wall Foamed Fluoropolymer	0.170" nom.
3)	BRAID SHIELD:	Bare Copper Braid (95% Coverage)	0.197" nom.

B. CONSTRUCTION B

1)	CONDUCTOR:	#18 AWG 7/26 Bare Copper	0.048" nom.
2)	INSULATION:	0.007" Wall ECTFE (HALAR)	0.062" nom.
3)	COLOR CODE	Black, Red	
4)	CABLE:	2 conductors @ 2.00 LHL	0.124" nom.

C. FINAL CABLE

1)	JACKET:	0.015" Wall LS-Plenum Polyvinyl chloride	Major dim: 0.406" Nom Minor dim: (coax) 0.227" Nom Minor dim (pair) 0.154" Nom
2)	PRINT LEGEND:	CAROL (R) -- C8031 -- RG 6/U TYPE 75 OHM COAXIAL CABLE -- 1C 18 AWG + 2C 18 AWG CL2P (ETL) OR CMP c(ETL)us 75C 3084997 -- MADE IN USA (MFG CODE; MM/YY & TRU-MARK SEQ. FT. MKGS)	

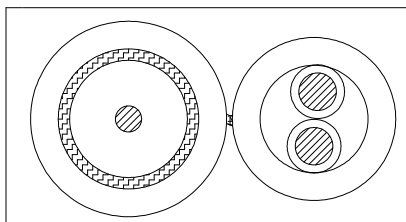
D. INDUSTRY APPROVALS

UL Standards 13
National Electric Code
UL & CSA Standards 444
National Electric Code
EU 2002/95/EC

Type CL2P (ETL)
Article 725
Type CMP c(ETL)us
Article 800
RoHS Compliant

E. ELECTRICAL PROPERTIES

1)	TEMPERATURE:	-10C 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:	5.6 Ohms/1000 ft. nom. @ 20 C
5)	SHIELD RESISTANCE A:	2.5 Ohms/1000 ft. nom. @ 20 C
6)	CAPACITANCE A:	16.3 pF/ft. @ 1 kHz nom.
7)	CAPACITANCE B: (Conductor -Conductor)	24 pF/ft. @ 1kHz nom.
8)	CHARACTERISTIC IMPEDANCE A:	75 Ohms @ 1 MHz nom.
9)	ATTENUATION (A):	



FREQ. (MHz)	dB/100 ft.
1	0.30
10	0.66
50	1.50
100	2.10
200	3.10
500	5.00
1000	7.30

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

Rev. 1: Update shield dcr from 3.5 to 2.5, add cap B cond-cond , add file # and fix attn table: adjust new dim, add drawing, and add rohs – GT 04/22/2010

Rev. 2: revise diameter tolerances to Nom / GT 08/04/2010

Rev.3: change to ETL and Tru-Mark print legend – GT 06/16/11

Rev. 4: added CL2P GT/ 5/14/12