

Part Number: C8028

Revision Level: 09

Date: 05/14/2012

**1C 20 SBC FMPE OA BS, 2C 18 AWG BC PVC,
SIAMESE FR-PVC JKT**

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

A. CONSTRUCTION A

1) CONDUCTOR:	#20 AWG Solid Bare Copper	0.032" nom.
2) INSULATION:	0.056" Wall Foamed Polyethylene	0.144" nom.
3) BRAID SHIELD:	Bare Copper Braid (95% Coverage)	0.172" nom.

B. CONSTRUCTION B

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

C. FINAL CABLE

1) JACKET:	0.032" Wall FR- Polyvinyl Chloride	Major dim: 0.460" Nom	Minor dim: (coax) 0.236" Nom	Minor dim: (pair) 0.196" Nom
2) PRINT LEGEND:	CAROL (R) -- C8028 -- RG 59/U TYPE COAX -- 1C 20 AWG + 2C 18 AWG 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

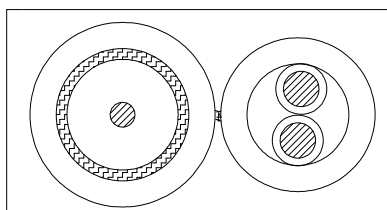
Type CL2 (ETL)
Article 725

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:	10.10 Ohms/1000 ft. nom. @ 20 C
4) CONDUCTOR D.C. RESISTANCE B:	6.65 Ohms/1000 ft. nom. @ 20 C
5) SHIELD RESISTANCE A:	3.0 Ohms/1000 ft. nom. @ 20 C
6) CAPACITANCE A:	16.2 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 (A):	



FREQ. (MHz)	dB/100 ft.
1	0.23
10	0.76
50	1.69
100	2.45
200	3.59
360	4.94
500	6.06
1000	9.15

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

Rev.1 – Old Manchester specs

Rev 2: :- 03/12/-2009 / AMT

Rev. 3: revise diameter from .146 to .144, shield DCR from 2.0 to 3.0 , DCR; and print legend from CM to CL2, CATV, CM // GT (February 25, 2010)

Rev. 4: remove CATV from print legend / GT (03/15/10)

Rev. 5: correct spelling attention to attenuation; remove dimensions from drawing adjust o/a dia from 460x242 to 440x.238 / GT (04/09/10)

Rev. 6: correct Mutual Cap (B) from 45.0 pf/ft to 18.0 Pf/ft per actual test data (17.33 pf/ft) and remove Impedance value for (B); remove jacket color black – GT- 04/21/2010

Rev. 7: Revise ins dia from .144 to .146, remove BS AWG add date and seq FT to print legend – GT 07/21/2010

Rev. 8: revise final dia to Nom. GT

Rev. 9: revise spec from UL to ETL, Remove AWM GT/ 5/14/12