

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

DIAMETERS

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

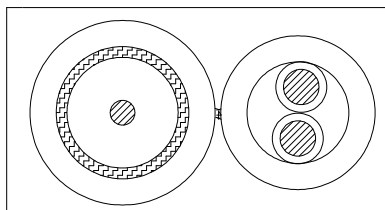
- | | | | | |
|------------------|---|-----------------------|------------------------------|------------------------------|
| 1) JACKET: | 0.032" Wall FR- Polyvinyl Chloride | Major dim: 0.460" Nom | Minor dim: (coax) 0.236" Nom | Minor dim: (pair) 0.196" Nom |
| 2) PRINT LEGEND: | CAROL (R) -- C8028 -- 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