

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

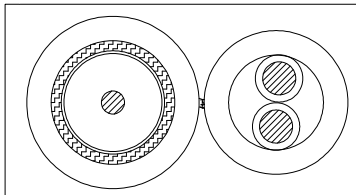
| | | |
|----|---|-------------------------------|
| 1) | JACKET: 0.032" Wall Polyvinyl Chloride | Major dim: 0.496" Nom |
| | | Minor dim: (coax) 0.275" Nom |
| | | Minor dim: (pair) 0.196" Nom. |
| 2) | PRINT LEGEND: CAROL (R) -- C8029 -- RG 6/U TYPE COAX – 1C 18 AWG + 2C 18 AWG CL2 (ETL) OR CM c(ETL)us 75C 3084997 — (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: | 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