General Cable PRODUCT DATA SHEET

RoHS Compliant Directive 2002/95/EC

Part Number: C8024 Revision Level: 04 Date: 05/14/2012

1C 22 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

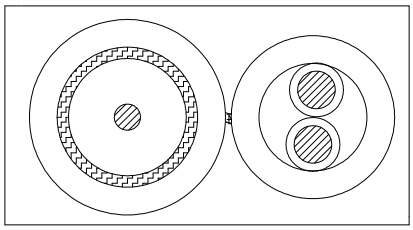
A.	**CONSTRUCTION A**			**DIAMETERS**
1)	CONDUCTOR:	#22 AWG 7/30 Bare Copper		0.030” nom.
2)	INSULATION:	0.057” Wall Foamed Polyethylene		0.144” nom.
3)	BRAID SHIELD:	Bare Copper Braid (95% Coverage)		0.171” nom.
B.	**CONSTRUCTION B**			
1)	CONDUCTOR:	#18 AWG 7/.0152 Bare Copper		0.046” nom.
2)	INSULATION:	0.010” Wall Polyvinyl Chloride		0.066” nom.
3)	CABLE:	2 conductors (Black, Red)		0.132” nom.
C.	**FINAL CABLE**			
1)	JACKET:	0.032” Wall FR-Polyvinyl Chloride	Major dim:	0.460” +/- 0.024”
			Minor dim:	0.242” +/- 0.012”
2)	PRINT LEGEND:	***CAROL (R) -- C8024 -- RG 59/U TYPE COAX – 1C 22 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	Type CL2 (ETL)
National Electric Code	Article 725
UL & CSA Standards 444	Type CM c(ETL)us
National Electric Code	Article 800
EU 2002/95/EC	RoHS Compliant

E. ELECTRICAL PROPERTIES

1)	TEMPERATURE:	-20C to +75C
2)	SUGGESTED WORKING VOLTAGE (Vrms):	300V MAX
3)	CONDUCTOR D.C. RESISTANCE A:	14.8 Ohms/1000 ft. nom. @ 20 C
4)	CONDUCTOR D.C. RESISTANCE B:	6.65 Ohms/1000 ft. nom. @ 20 C
5)	SHIELD RESISTANCE A:	3.00 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:	77 Ohms @ 1 MHz nom.
9)	Attenuation:	



FREQ. (MHz)	dB/100 ft.
1	0.26
10	0.91
50	2.09
100	3.00
200	4.33
500	7.03
1000	10.64

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

Rev. 1: –revise diameter from .146 to .144, shld res from 2.0 to 3.0 , DCR; and correct cond strand from 18 16/30 to 18 7/.0152 , correct cap from 45 to 35 and imp from 43 ohms to 65 ohms and remove cap-ground on B // GT (February 25, 2010)
Rev. 2: remove CATV from print legend - GT – 3/16/2010
Rev. 3: correct cap on (B) from 30 to 18 based on actual test data (17.33) , remove Imp (B); add drawing , remove jkt color – GT (04/21/2010)
Rev. 4: revise spec from UL to ETL, Remove AWM GT/ 5/14/12