

Part Number: C5785

Revision Level: 12

Date: 9/10/2008

**1C 18 SOLID BCCS FMPE OAS PVC**

**RG 6/U TYPE QUAD SHIELD COAXIAL CABLE**

**A. CONSTRUCTION**

Conductor:	#18 AWG Solid Bare Copper-Clad Steel	0.040" nom.
Insulation:	0.070" Wall Foamed Polyethylene	0.177" nom.
Tape:	Aluminum/Polyester/Aluminum/Bonded	0.182" nom.
Braid	Aluminum Braid	0.206" nom.
	60% Nom. Coverage	
Tape:	Aluminum/Polyester/Aluminum	0.209" nom.
Braid:	Aluminum Braid	0.230" nom.
	40% Nom. Coverage	
Jacket:	0.031" Wall Polyvinyl Chloride - Various Colors	0.292" +/- 0.010"
Print Legend:	<b>CAROL(R) C5785 RG6/U QUAD 75 OHM COAX--18 AWG 75C SWEPT TO 3 GHZ EXXXXXX CL2--CATV--CM (UL) C(UL) (Ascending Seq. Mkgs. @ 3' intervals), (Date Code)</b>	

**DIAMETERS**

**B. INDUSTRY APPROVALS**

National Electrical Code	Article 800
UL Standard 444	Type CM (UL) c(UL)
National Electrical Code	Article 725
UL Standard 13	Type CL2
National Electrical Code	Article 820
UL Standard 1655	Type CATV

**C. ELECTRICAL PROPERTIES**

TEMPERATURE:	75 C
SUGGESTED WORKING VOLTAGE (Vrms):	CM (UL) c(UL)/300; CL2/150; CATV/60
CONDUCTOR D.C. RESISTANCE:	28.9 Ohms/1000 ft nom
SHIELD RESISTANCE:	3.7 Ohms/1000 ft nom
GROUND CAPACITANCE:	16.2p pF/ft @ 1kHz nom
CHARACTERISTIC IMPEDANCE:	75 Ohms @ 1MHz nom
VELOCITY OF PROPAGATION:	85.0 % nom.
ATTENUATION (NOM.):	

Freq. (MHz)	dB/100 ft.
1	0.26
10	0.81
50	1.46
100	2.05
200	2.83
500	4.53

Freq. (MHz)	dB/100 ft.
1000	6.59
1450	8.10
1800	8.80
2200	10.10
3000	11.79