

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

DIAMETERS

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:	CAROL(R) C5785 RG6/U QUAD 75 OHM COAX--18 AWG 75C SWEPT TO 3 GHZ EXXXXX CL2--CATV--CM (UL) C(UL) <i>(Ascending Seq. Mkgs. @ 3' intervals), (Date Code)</i>	

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 (V _{rms}):	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

