

Part Number: C5889

Revision Level: 8

Date: 7/23/2007

**1C 18 SOLID BCCS FMPE OAS PVC (RISER)**

**RG 6/U TYPE 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	0.292" +/- 0.010"
Print Legend:	<b>CAROL(R) -- C5889 -- RG6/U TYPE 75 OHM QUAD SHIELD COAXIAL CABLE -- 1C 18 AWG 75C SWEPT TO 3 GHZ EXXXXX -- CL2R/CATVR -- CMR (UL) C(UL) (Ascending Seq. Mkgs. @ 3' intervals), (Date Code)</b>	

**DIAMETERS**

**B. INDUSTRY APPROVALS**

National Electrical Code	Article 800
UL Standard 444	Type CMR (UL)C(UL)
National Electrical Code	Article 725
UL Standard 13	Type CL2R
National Electrical Code	Article 820
UL Standard 1655	Type CATVR

**C. ELECTRICAL PROPERTIES**

TEMPERATURE:	75C
SUGGESTED WORKING VOLTAGE (V <sub>rms</sub> ):	CMR(UL)C(UL) / 300V; CL2R / 150V; CATVR / 6
CONDUCTOR D.C. RESISTANCE:	28.9 Ohms/1000 ft. nom. @ 20C
SHIELD RESISTANCE:	3.7 Ohms/1000 ft. nom. @ 20c
GROUND CAPACITANCE:	16.2 pF/ft. @ 1 kHz nom.
CHARACTERISTIC IMPEDANCE:	75 Ohms @ 1 MHz 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	8.1
1800	8.80
2200	10.10
3000	11.79

