

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

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	0.292" +/- 0.010"
Print Legend:	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. 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 _{rms}):	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

