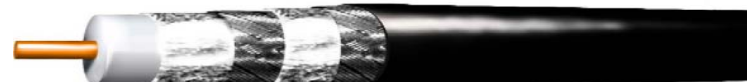


# QUAD SHIELD COAXIAL CABLE

09/28/06 REV 1.0

RG6 QUAD 18 AWG 1C Solid BC



**PART NUMBER:** B7916A

**DESCRIPTION:** 18 AWG 1 CONDUCTOR SOLID BARE COPPER, GAS INJECTED FOAM PE DIELECTRIC, 100% BONDED ALUMINUM FOIL/POLYESTER TAPE, 60% ALUMINUM BRAID, 100% ALUMINUM FOIL/POLYESTER TAPE, 40% ALUMINUM BRAID, PVC JACKET, SWEEPED TO 2.25 GHz, UL/NEC, C(UL)/CEC: CM/CATV

**PHYSICAL CHARACTERISTICS:**

**TEMPERATURE RATING:** -40°C TO +80°C  
**CONDUCTOR MATERIAL & DIA.:** 18 AWG SOLID BARE COPPER, .040"  
**INSULATION MATERIAL & DIA.:** GAS-INJECTED FOAM PE, .18"  
**SHIELD TYPE & % COVERAGE:**  
1ST LAYER AL FOIL/POLYESTER TAPE, 100% BONDED  
2ND LAYER ALUMINUM BRAID, 60%  
3RD LAYER AL FOIL/POLYESTER TAPE, 100%  
4TH LAYER ALUMINUM BRAID, 40%  
**JACKET MATERIAL & THICKNESS:** PVC, .034"  
**JACKET COLOR:** BLACK, WHITE  
**OUTSIDE DIAMETER:** .298"  
**FOOTAGE MARKERS:** ASCENDING/DESCENDING IN FEET  
**MAXIMUM PULLING TENSION:** 104 LBS.  
**MINIMUM BEND RADIUS:** 3"  
**PACKAGING:** REEL, EZ-PULL BOX  
**SHIPPING WEIGHT:** 39 LBS.

**ELECTRICAL CHARACTERISTICS:**

**MAX. OPERATING VOLTAGE:** 350V  
**IMPEDANCE:** 75 OHM  
**NOM. INDUCTANCE:** .097 uH/FT  
**NOM. CAPACITANCE CONDUCTOR TO SHIELD:** 16.2 pF/FT  
**NOM. VELOCITY OF PROPAGATION:** 83%  
**NOM. DELAY:** 1.2 ns/FT  
**NOM. CONDUCTOR DC RESISTANCE @ 20 DEG.C:** 6.4 OHMS/1000 FT  
**NOM. SHIELD DC RESISTANCE @ 20 DEG. C:** 4.8 OHMS/1000 FT  
**RETURN LOSS:** 20 dB MIN, 5-1000MHz  
15 dB MIN, 1000-2250 MHz

**NOM. ATTENUATION:**

	<u>MHZ</u>	<u>DB/100 FT.</u>	<u>MHZ</u>	<u>DB/100 FT.</u>
	5	0.5	862	5.5
	55	1.4	1000	6.0
	211	2.6	1450	7.9
	500	4.1	1800	8.4
	750	5.1	2250	10.1

**NOTES:**

1. Footage markers printed every two feet.
2. Foil shield is bonded to the dielectric.
3. While Signature Wire Corp. has made every reasonable effort to ensure the accuracy of these specifications, information contained herein may be subject to error and omission and to change without notice. Signature Wire Corp. provides these specifications on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied.

**UL CRITERIA:**

**UL TYPE OR STYLE:** CM, CATV  
**FLAME RESISTANCE:** UL1581 VERTICAL TRAY