

SAT660BV APD 75 Ohm Coaxial Cable

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PRODUCT DESCRIPTION:

BONDED LAMINATED ALUMINUM TAPE, 60% BRAID, AMORPHOUS POLYPROPYLENE FLOODING COMPOUND, PVC JACKET

**CENTER CONDUCTOR: 18 AWG COPPER COVERED STEEL
NOMINAL DIAMETER: 0.040" (1.02 mm)**

**DIELECTRIC: GAS EXPANDED POLYETHYLENE
NOMINAL DIAMETER OVER DIELECTRIC: 0.180" (4.57 mm)**

**SHIELD: 1ST SHIELD: LAMINATED ALUMINUM TAPE BONDED TO THE DIELECTRIC
NOMINAL DIAMETER OVER TAPE: 0.187" (4.75 mm)
2ND SHIELD: 34 AWG ALUMINUM BRAID WIRE
60% COVERAGE**

**JACKET: PVC JACKET
NOMINAL DIAMETER OVER JACKET: 0.272" (6.91 mm)
NOMINAL JACKET THICKNESS: 0.030" (0.76 mm)**

**CORROSION RESISTANT TREATMENT:
AMORPHOUS POLYPROPYLENE FLOODING COMPOUND**

ELECTRICAL PROPERTIES:

IMPEDANCE: 75.0 +/- 3.0 Ohms
VELOCITY OF PROPAGATION: 85.0% NOMINAL
STRUCTURAL RETURN LOSS: 5 MHz TO 1000 MHz ≥ 20 dB 1000 MHz TO 3000 MHz ≥ 15 dB
NOMINAL DC RESISTANCE (Ohms/km): CENTER CONDUCTOR: 100.1 OUTER CONDUCTOR: 34.4
ATTENUATION @ 68°F (20°C):

Frequency	dB/100 feet Nominal	dB/100 meters Nominal
5 MHz	0.55	1.81
55 MHz	1.52	4.99
83 MHz	1.85	6.08
187 MHz	2.71	8.88
211 MHz	2.90	9.51
250 MHz	3.14	10.29
300 MHz	3.37	11.06
350 MHz	3.66	12.00
400 MHz	3.94	12.93
450 MHz	4.18	13.71
500 MHz	4.43	14.52
550 MHz	4.66	15.27
600 MHz	4.85	15.90
750 MHz	5.37	17.61
865 MHz	5.80	19.01
1000 MHz	6.22	20.41
1200 MHz	6.80	22.32
1450 MHz	7.47	24.50
1800 MHz	8.29	27.21
2200 MHz	9.15	30.01
2400 MHz	10.10	33.14
2800 MHz	10.90	35.76
3000 MHz	11.28	37.01

Center Conductor

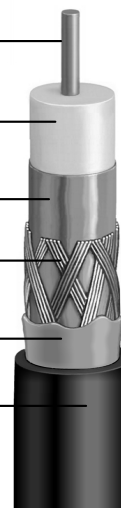
Dielectric

Bonded Laminated Aluminum Tape

Aluminum Braided Shield

Flooding Compound

Jacket



Cable Weight (Lbs.)/1000': 27 lbs. / 40 kg/km



*Drawing not to scale
Specification subject to change
Revision: 05/06/08*