

SAT660BV APD HDC 75 Ohm Coaxial Cable

1100 CommScope Place
Hickory, NC 28603
(800) 982-1708
(828) 324-2200
Fax: (828) 324-3400
Int'l Fax: (828) 323-4989
www.commscope.com
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PRODUCT DESCRIPTION:

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

CENTER CONDUCTOR:

18 AWG HARD DRAWN COPPER
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: 21.5 OUTER CONDUCTOR: 34.4

ATTENUATION @ 68°F (20°C):

Frequency	dB/100 feet Nominal	dB/100 meters Nominal
5 MHz	0.58	1.90
55 MHz	1.60	5.25
83 MHz	1.95	6.40
187 MHz	2.85	9.35
211 MHz	3.05	10.01
250 MHz	3.30	10.82
300 MHz	3.55	11.64
350 MHz	3.85	12.63
400 MHz	4.15	13.61
450 MHz	4.40	14.44
500 MHz	4.66	15.29
550 MHz	4.90	16.08
600 MHz	5.10	16.73
750 MHz	5.65	18.54
865 MHz	6.10	20.01
1000 MHz	6.55	21.49
1200 MHz	7.17	23.52
1450 MHz	7.87	25.82
1800 MHz	8.77	28.77
2200 MHz	9.68	31.75
2400 MHz	10.10	33.14
2800 MHz	10.90	35.76
3000 MHz	11.28	37.01

Center Conductor

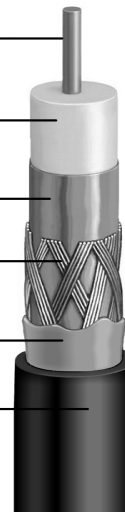
Dielectric

Bonded Laminated Aluminum Tape

Aluminum Braided Shield

Flooding Compound

Jacket



Cable Weight (Lbs.)/1000': 28 lbs. / 42 kg/km



*Drawing not to scale
Specification subject to change
Revision: 09/23/08*