

SAT660BVV HDC CM 3 GHZ

75 Ohm Coaxial Cable

CM, CATV (ETL)

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,
 FLAME RETARDENT PVC JACKET**

CENTER CONDUCTOR:

**18 AWG SOLID COPPER
 NOMINAL DIAMETER: 0.040" (1.02 mm)**

DIELECTRIC:

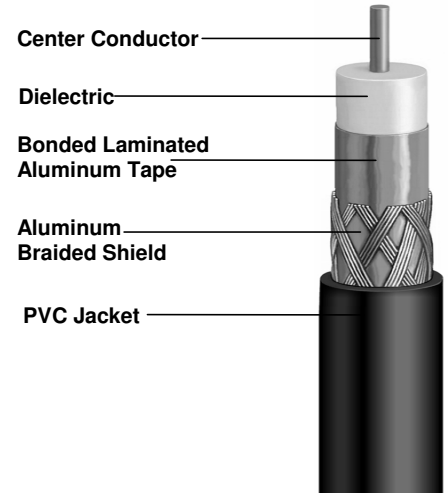
**GAS EXPANDED POLYETHYLENE
 NOMINAL DIAMETER OVER DIELECTRIC: 0.180" (4.57 mm)**

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:

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



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

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



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