

SAT 6DS

75 Ohm Coaxial Cable

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PRODUCT DESCRIPTION:

BONDED LAMINATED ALUMINUM TAPE, ALUMINUM BRAID, PVC JACKET

CENTER CONDUCTOR:

18 AWG COPPER COVERED STEEL
 NOMINAL DIAMETER: 0.0403" (1.02 mm)

DIELECTRIC:

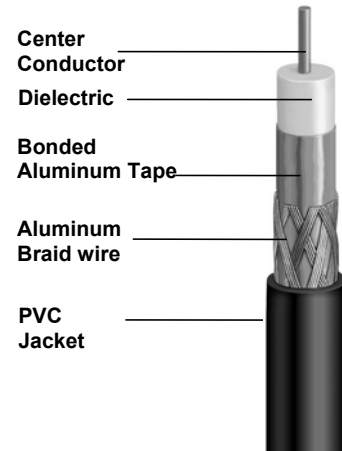
GAS EXPANDED POLYETHYLENE
 NOMINAL DIAMETER OVER DIELECTRIC: 0.180" (4.57 mm)

SHIELD:

1ST SHIELD: LAMINATED ALUMINUM TAPE
 BONDED TO THE DIELECTRIC – 100% COVERAGE
 NOMINAL DIAMETER OVER TAPE: 0.186" (4.72 mm)
2ND SHIELD: ALUMINUM BRAID WIRE > 55% COVERAGE

JACKET:

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



Cable Weight (Lbs.)/1000': 25 lbs. / 38 kg/km

ELECTRICAL PROPERTIES:

IMPEDANCE: 75.0 +/- 3.0 Ohms
VELOCITY OF PROPAGATION: 85.0% NOMINAL
STRUCTURAL RETURN LOSS: 900 MHz to 1000 MHz ≥ 20 dB 1000 to 3000 MHz ≥ 15 dB
NOMINAL DC RESISTANCE - Ohms/kft (km): Center Conductor: 30 (104) Outer Conductor: 10 (33) Loop: 40 (137)
ATTENUATION: @ 68°F (20°C)

Frequency	dB/100 feet Nominal	dB/100 meters Nominal
900 MHz	5.9	19.4
950 MHz	6.1	19.9
1000 MHz	6.2	20.5
1200 MHz	6.9	22.6
1450 MHz	7.6	25.0
1800 MHz	8.5	28.0
2200 MHz	9.5	31.3
2400 MHz	10.0	32.8
2800 MHz	10.9	35.7
3000 MHz	11.3	37.1



*Drawing not to scale
 Specification subject to change
 Revision: 05/28/10*