

SAT DS6BV

75 Ohm Coaxial Satellite Cable

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PRODUCT DESCRIPTION:

BONDED FOIL, 60% ALUMINUM BRAID, PVC JACKET

CENTER CONDUCTOR:

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

DIELECTRIC:

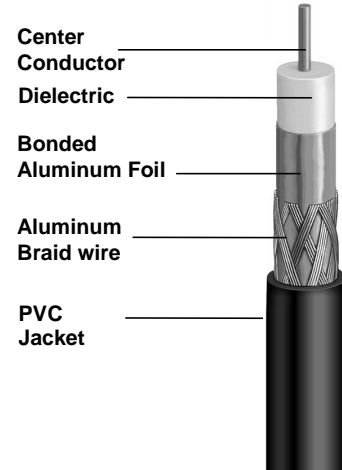
GAS EXPANDED POLYETHYLENE
 NOMINAL DIAMETER OVER DIELECTRIC: 0.180" (4.57 mm)

SHIELD:

1ST SHIELD: ALUMINUM/POLYMER/ALUMINUM LAMINATED TAPE
 BONDED TO THE DIELECTRIC
 NOMINAL DIAMETER OVER TAPE: 0.187" (4.75 mm)
2ND SHIELD: 34 AWG ALUMINUM BRAID WIRE
 > 59% 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)
 ATTENUATION: @ 68°F (20°C)

| Frequency | dB/100 feet Maximum | dB/100 meters Maximum |
|-----------|---------------------|-----------------------|
| 55 MHz | 0.58 | 1.90 |
| 187 MHz | 2.85 | 9.35 |
| 250 MHz | 3.30 | 10.82 |
| 300 MHz | 3.55 | 11.64 |
| 400 MHz | 4.15 | 13.61 |
| 500 MHz | 4.66 | 15.29 |
| 600 MHz | 5.10 | 16.73 |
| 750 MHz | 5.65 | 18.54 |
| 865 MHz | 6.10 | 20.01 |
| 900 MHz | 6.20 | 20.30 |
| 950 MHz | 6.40 | 20.90 |
| 1000 MHz | 6.55 | 21.50 |
| 1200 MHz | 7.22 | 23.70 |
| 1450 MHz | 8.00 | 26.21 |
| 1800 MHz | 9.00 | 29.44 |
| 2200 MHz | 10.01 | 32.83 |
| 2400 MHz | 10.50 | 34.42 |
| 2800 MHz | 11.42 | 37.46 |
| 3000 MHz | 11.86 | 38.91 |



Drawing not to scale
 Specification subject to change
 Revision: Preliminary