

SAT 6DS 75 Ohm Coaxial Cable



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:

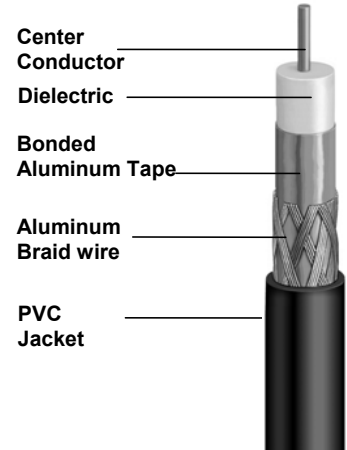
GAS EXPANDED POLYETHYLENE
NOMINAL DIAMETER OVER DIELECTRIC: 0.180" (4.57 mm)

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 > 60% 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 |



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