

SAT1160BV APD 3 GHZ 75 Ohm Coaxial Cable

PRODUCT DESCRIPTION:

BONDED FOIL, 60% BRAID, PVC JACKET

CENTER CONDUCTOR:

14 AWG COPPER COVERED STEEL
NOMINAL DIAMETER: 0.064" (1.63 mm)

DIELECTRIC:

GAS EXPANDED POLYETHYLENE
NOMINAL DIAMETER OVER DIELECTRIC: 0.280" (7.11 mm)

SHIELD:

1ST SHIELD: ALUMINUM-POLYPROPYLENE-ALUMINUM
LAMINATED TAPE WITH OVERLAP BONDED TO THE
DIELECTRIC

NOMINAL DIAMETER OVER TAPE: 0.287" (7.29 mm)

2ND SHIELD: 34 AWG ALUMINUM BRAID WIRE
60% COVERAGE

JACKET:

PVC
NOMINAL DIAMETER OVER JACKET: 0.395" (10.03 mm)
NOMINAL JACKET THICKNESS: 0.042" (1.07 mm)

CORROSION RESISTANT TREATMENT:

AMORPHOUS POLYPROPYLENE FLOODING COMPOUND

Center Conductor

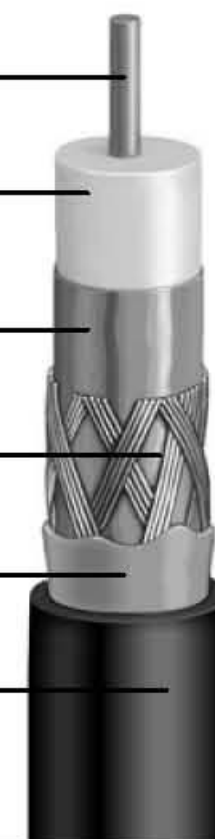
Dielectric

Bonded Aluminum
Foil Shield

Aluminum
Braided Shield

Flooding
Compound

Jacket



Shipping Weight (Lbs.)/1000': 72 lbs. / 107 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 to 3000 MHz ≥ 15 dB

NOMINAL DC RESISTANCE (Ohms/km): Center Conductor: 8.5 Outer Conductor: 22.5

ATTENUATION: @ 68°F (20°C)

@ Frequency MHz	dB/100 feet Maximum	dB/100 meters Maximum
5 MHz	0.38	1.25
55 MHz	0.96	3.15
83 MHz	1.18	3.87
187 MHz	1.75	5.74
211 MHz	1.90	6.23
250 MHz	2.05	6.72
300 MHz	2.25	7.38
350 MHz	2.42	7.94
400 MHz	2.60	8.53
450 MHz	2.75	9.02
500 MHz	2.90	9.51
550 MHz	3.04	9.97
600 MHz	3.18	10.43
750 MHz	3.65	11.97
865 MHz	3.98	13.05
1000 MHz	4.35	14.27
1200 MHz	4.77	15.65
1450 MHz	5.30	17.39
1800 MHz	6.00	19.69
2200 MHz	6.75	22.14
2400 MHz	7.11	23.32
2800 MHz	7.78	25.53
3000 MHz	8.11	26.60

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