

# F59TSV

## 75 Ohm Coaxial Cable

### Drop Cable



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**PRODUCT DESCRIPTION:**

BONDED FOIL, 67% BRAID, NON-BONDED TAPE, PVC JACKET

**CENTER CONDUCTOR:**

20 AWG COPPER-CLAD STEEL  
NOMINAL DIAMETER: 0.81 mm (0.032")

**DIELECTRIC:**

GAS EXPANDED POLYETHYLENE  
NOMINAL DIAMETER OVER DIELECTRIC: 3.66 mm (0.144")

**SHIELD:**

1<sup>ST</sup> SHIELD: ALUMINUM-POLYPROPYLENE-ALUMINUM  
LAMINATED TAPE WITH OVERLAP BONDED TO THE DIELECTRIC  
NOMINAL DIAMETER OVER TAPE: 3.84 mm (0.151")  
2<sup>ND</sup> SHIELD: 34 AWG ALUMINUM BRAID WIRE  
67% COVERAGE  
3<sup>RD</sup> SHIELD: NON-BONDED FOIL SHIELD

**JACKET:**

PVC  
NOMINAL DIAMETER OVER JACKET: 6.10 mm (0.240")  
NOMINAL JACKET THICKNESS: 0.76 mm (0.030")



Cable Weight : 31 kg/km

**ELECTRICAL PROPERTIES:**

IMPEDANCE: 75.0 +/- 3.0 Ohms  
VELOCITY OF PROPAGATION: 82.0% MINIMUM  
RETURN LOSS: 5 MHz to 470 MHz = -24 dB      470 MHz to 1000 MHz = -22 dB  
1000 to 2400 MHz = -16 dB  
TRANSFER IMPEDANCE: 5 MHz to 30 MHz < 5 milli-Ohms / meter  
SCREENING ATTENUATION: 30 MHz to 1000 > 85 dB

ATTENUATION: 20°C @ 68°F

@ Frequency MHz	dB/100 meters (MAX.)	dB/100 ft. (MAX.)
5 MHz	2.82 dB	0.86 dB
55 MHz	6.73 dB	2.05 dB
83 MHz	8.04 dB	2.45 dB
187 MHz	11.81 dB	3.60 dB
250 MHz	13.45 dB	4.10 dB
300 MHz	14.60 dB	4.45 dB
350 MHz	15.75 dB	4.80 dB
400 MHz	16.73 dB	5.10 dB
450 MHz	17.72 dB	5.40 dB
500 MHz	18.70 dB	5.70 dB
550 MHz	19.52 dB	5.95 dB
600 MHz	20.34 dB	6.20 dB
750 MHz	22.87 dB	6.97 dB
865 MHz	24.67 dB	7.52 dB
1000 MHz	26.64 dB	8.12 dB
1200 MHz	29.36 dB	8.95 dB
1450 MHz	32.48 dB	9.90 dB
1600 MHz	34.25 dB	10.44 dB
2150 MHz	40.16 dB	12.24 dB
2400 MHz	42.65 dB	13.00 dB

Drawing not to scale.  
Specifications subject to change.  
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