

# F6TSV 75 Ohm Coaxial Cable Drop Cable

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## PRODUCT DESCRIPTION:

**BONDED FOIL, 60% BRAID, NON-BONDED TAPE, PVC JACKET**

### CENTER CONDUCTOR:

18 AWG COPPER-CLAD STEEL  
NOMINAL DIAMETER: 0.040" (1.02 mm)

### DIELECTRIC:

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

### SHIELD:

1<sup>ST</sup> SHIELD: ALUMINUM-POLYPROPYLENE-ALUMINUM  
LAMINATED TAPE WITH OVERLAP BONDED TO THE DIELECTRIC  
NOMINAL DIAMETER OVER TAPE: 0.187" (4.75 mm)

2<sup>ND</sup> SHIELD: 34 AWG ALUMINUM BRAID WIRE  
60% COVERAGE

3<sup>RD</sup> SHIELD: NON-BONDED FOIL SHIELD

### JACKET:

PVC  
NOMINAL DIAMETER OVER JACKET: 0.278" (7.06 mm)  
NOMINAL JACKET THICKNESS: 0.030" (0.76 mm)

Center Conductor

Dielectric

Bonded Aluminum  
Foil Shield

Aluminum Braided Shield

Additional Aluminum  
Foil Shield

PVC Jacket



## ELECTRICAL PROPERTIES:

IMPEDANCE: 75.0 +/- 3.0 Ohms  
VELOCITY OF PROPAGATION: 85.0% NOMINAL  
ATTENUATION: @ 68°F (20°C)

Shipping Weight (Lbs.)/1000': 34 lbs.

| @ Frequency MHz | dB/100 ft. (MAX.) | dB/100 meters (MAX.) |
|-----------------|-------------------|----------------------|
| 5 MHz           | 0.58 dB           | 1.90 dB              |
| 55 MHz          | 1.60 dB           | 5.25 dB              |
| 83 MHz          | 1.95 dB           | 6.40 dB              |
| 187 MHz         | 2.85 dB           | 9.35 dB              |
| 211 MHz         | 3.05 dB           | 10.00 dB             |
| 250 MHz         | 3.30 dB           | 10.82 Db             |
| 300 MHz         | 3.55 dB           | 11.64 dB             |
| 350 MHz         | 3.85 dB           | 12.63 dB             |
| 400 MHz         | 4.15 dB           | 13.61 dB             |
| 450 MHz         | 4.40 dB           | 14.43 dB             |
| 500 MHz         | 4.66 dB           | 15.29 dB             |
| 550 MHz         | 4.90 dB           | 16.08 dB             |
| 600 MHz         | 5.10 dB           | 16.73 dB             |
| 750 MHz         | 5.65 dB           | 18.54 dB             |
| 865 MHz         | 6.10 dB           | 20.01 dB             |
| 1000 MHz        | 6.55 dB           | 21.49 dB             |

Drawing not to scale.  
Specifications subject to change.  
Revision: 03/30/04