

# F677TSVM

## 75 Ohm Coaxial Cable

### Drop Cable

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#### PRODUCT DESCRIPTION:

**BONDED FOIL, 77% BRAID, NON-BONDED TAPE, PVC JACKET, 0.051" MESSENGER**

#### 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:** ALUMUNUM-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  
 77% 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)

#### MESSENGER:

NOMINAL DIAMETER OF MESSENGER: 0.051" (1.30 mm)  
 MINIMUM BREAKING STRENGTH: 180 lbs. (82 kg)

Center Conductor

Dielectric

Bonded Aluminum Foil Shield

Aluminum Braided Shield

Steel Messenger

Additional Aluminum Foil Shield (Non-bonded)

Jacket



#### ELECTRICAL PROPERTIES:

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

Shipping Weight (Lbs.)/1000': 46 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: 03/24/04