

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:

**1ST SHIELD: ALUMUNUM-POLYPROPYLENE-ALUMINUM
LAMINATED TAPE WITH OVERLAP BONDED TO THE DIELECTRIC
NOMINAL DIAMETER OVER TAPE: 0.187" (4.75 mm)
2ND SHIELD: 34 AWG ALUMINUM BRAID WIRE
77% COVERAGE
3RD 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*