

F1177TSVM

75 Ohm Coaxial Cable

Drop Cable

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PRODUCT DESCRIPTION:

BONDED FOIL, 77% BRAID, NON-BONDED TAPE, PVC JACKET, 0.072" MESSENGER

CENTER CONDUCTOR:

14 AWG COPPER-CLAD 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 77% COVERAGE
3RD SHIELD: NON-BONDED FOIL SHIELD

JACKET:

PVC JACKET
 NOMINAL DIAMETER OVER JACKET: 0.400" (10.16 mm)
 NOMINAL JACKET THICKNESS: 0.039" (0.99 mm)

MESSENGER:

NOMINAL DIAMETER OF MESSENGER: 0.072" (1.83 mm)
 MINIMUM BREAKING STRENGTH: 365 lbs. (166 kg)

ELECTRICAL PROPERTIES:

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

Center Conductor

Dielectric

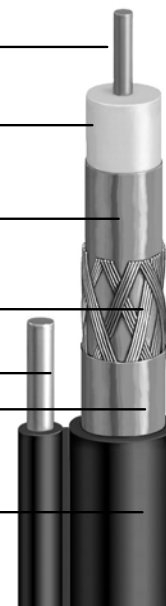
Bonded Aluminum Foil Shield

Aluminum Braided Shield

Steel Messenger

Additional Aluminum Foil Shield (Non-bonded)

Jacket



Shipping Weight (Lbs.)/1000': 94 lbs.

@ Frequency MHz	dB/100 ft. (MAX.)	dB/100 meters (MAX.)
5 MHz	0.38 dB	1.25 dB
55 MHz	0.96 dB	3.15 dB
83 MHz	1.18 dB	3.87 dB
187 MHz	1.75 dB	5.74 dB
211 MHz	1.90 dB	6.23 dB
250 MHz	2.05 dB	6.72 dB
300 MHz	2.25 dB	7.38 dB
350 MHz	2.42 dB	7.94 dB
400 MHz	2.60 dB	8.53 dB
450 MHz	2.75 dB	9.02 dB
500 MHz	2.90 dB	9.51 dB
550 MHz	3.04 dB	9.97 dB
600 MHz	3.18 dB	10.43 dB
750 MHz	3.65 dB	11.97 dB
865 MHz	3.98 dB	13.05 dB
1000 MHz	4.35 dB	14.27 dB

*Drawing not to scale.
 Specifications subject to change.
 Revision: 02/19/04*