

F677TSVM HDC 75 Ohm Coaxial Cable Drop Cable

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PRODUCT DESCRIPTION:

BONDED LAMINATED ALUMINUM TAPE, 77% BRAID, LAMINATED ALUMINUM TAPE, PVC JACKET, 0.051" MESSENGER

CENTER CONDUCTOR:

18 AWG SOLID COPPER
NOMINAL DIAMETER: 0.040" (1.02 mm)

DIELECTRIC:

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

SHIELD:

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

JACKET:

PVC
NOMINAL DIAMETER OVER JACKET: 0.272" (6.91 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

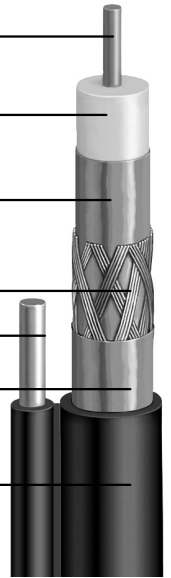
Bonded Laminated Aluminum Tape

Aluminum Braided Shield

Steel Messenger

Laminated Aluminum Tape (Non-bonded)

Jacket



Shipping Weight (Lbs.)/1000': 46 lbs.

ELECTRICAL PROPERTIES:

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

@ 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: 05/15/07