

F677TSVVM 830BM

75 Ohm Coaxial Cable

Drop Cable

BM830 (ETL)

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PRODUCT DESCRIPTION:

BONDED LAMINATED ALUMINUM TAPE, 77% BRAID, LAMINATED ALUMINUM TAPE, FLAME RETARDANT PVC JACKET, .051" MESSENGER
 MEETS NEC ARTICLE 830 BM RATING, 150 VOLTS
 NETWORK POWERED BROADBAND COMMUNICATIONS CABLE

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: 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:

FLAME RETARDANT 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)



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