

F1160BEM109

75 Ohm Coaxial Cable

Drop Cable

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PRODUCT DESCRIPTION:

BONDED FOIL, 60% BRAID, PE JACKET, 0.109" 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
 60% COVERAGE

JACKET:

PE JACKET
 NOMINAL DIAMETER OVER JACKET: 0.400" (10.16 mm)
 NOMINAL JACKET THICKNESS: 0.042" (1.07 mm)

MESSENGER:

NOMINAL DIAMETER OF MESSENGER: 0.109" (2.77 mm)
 MINIMUM BREAKING STRENGTH: 1800 lbs. (818 kg_f)



ELECTRICAL PROPERTIES:

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

Shipping Weight (Lbs.)/1000': 88 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: 09/26/05*