



**750M**  
**TRUNK**  
**75 OHM COAXIAL CABLE**

**DESCRIPTION**

**750M** – Series 750 trunk cable: 4.24 mm copper clad aluminum conductor, Fine’s proprietary gas injected PE foam dielectric, TIG welded aluminum tube outer conductor, 6.35 galvanized steel stranded messenger, PE jacket.

**CONSTRUCTION DETAILS**

<b>Inner Conductor, mm (inch)</b>	4.24	(0.167)
<b>Dielectric Diameter, mm (inch)</b>	17.26	(0.680)
<b>Outer Conductor Diameter, mm (inch)</b>	19.06	(0.750)
<b>Outer Conductor Thickness, mm (inch)</b>	0.90	(0.035)
<b>Overall Cable Diameter, mm (inch)</b>	20.84	(0.820)

**ELECTRICAL SPECIFICATIONS**

<b>Network Analyzer Swept Frequency Range</b>	1 – 1000 MHz	
<b>Capacitance, pF/m</b>	51.2 ± 2.0	
<b>Impedance, ohms</b>	75 ± 2	
<b>Velocity of Propagation, %</b>	87 nominal	
<b>Maximum Attenuation @ 20°C at Various Frequencies:</b>	<b>dB/100m</b>	<b>(dB/100 feet)</b>
<b>5 MHz</b>	0.36	0.11
<b>55 MHz</b>	1.21	0.37
<b>250 MHz</b>	2.67	0.81
<b>300 MHz</b>	2.92	0.89
<b>350 MHz</b>	3.19	0.97
<b>400 MHz</b>	3.42	1.04
<b>450 MHz</b>	3.66	1.12
<b>500 MHz</b>	3.88	1.18
<b>550 MHz</b>	4.07	1.24
<b>600 MHz</b>	4.29	1.31
<b>750 MHz</b>	4.90	1.49
<b>870 MHz</b>	5.29	1.61
<b>1000 MHz</b>	5.70	1.74

**PACKAGING**

**Standard Reel Length is nominally 760 meters.**

**Cable Weight:** 562 kg/km (378 lbs/1000 feet)

**Shipping Reel Weight:** 567 kg/reel (1250 lbs/reel)

**Reel Dimensions:** **Flange:** 1100 mm **Drum:** 500 mm **Traverse:** 820 mm