



**700FA**  
**EXTRAFLEX TRUNK**  
**75 OHM COAXIAL CABLE**

**DESCRIPTION**

**700FA** – Series 700 Extraflex Trunk Cable: 4.14 mm copper clad aluminum conductor, Fine’s proprietary gas injected PE foam dielectric, TIG welded outer aluminum tube conductor, flooded for aerial applications and PE jacket.

**CONSTRUCTION DETAILS**

<b>Inner Conductor, mm (inch)</b>	4.14	(0.163)
<b>Dielectric Diameter, mm (inch)</b>	16.65	(0.656)
<b>Outer Conductor Diameter, mm (inch)</b>	17.86	(0.701)
<b>Outer Conductor Thickness, mm (inch)</b>	0.63	(0.025)
<b>Overall Cable Diameter, mm (inch)</b>	19.40	(0.764)

**ELECTRICAL SPECIFICATIONS**

<b>Network Analyzer Swept Frequency Range</b>	1 – 1000 MHz	
<b>Capacitance, pF/m</b>	50.0 ± 2.0	
<b>Impedance, ohms</b>	75 ± 2	
<b>Velocity of Propagation, %</b>	89 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>	2.68	0.82
<b>300 MHz</b>	2.95	0.90
<b>350 MHz</b>	3.20	0.98
<b>400 MHz</b>	3.42	1.04
<b>450 MHz</b>	3.66	1.12
<b>500 MHz</b>	3.90	1.19
<b>550 MHz</b>	4.11	1.25
<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>	5.73	1.75

**PACKAGING**

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

**Cable Weight:** 231 kg/km (155 lbs/1000 feet)

**Shipping Reel Weight:** 221 kg/reel (487 lbs/reel)

**Reel Dimensions:** **Flange:** 1100 mm **Drum:** 500 mm **Traverse:** 740 mm