



**540FA**  
**EXTRAFLEX TRUNK**  
**75 OHM COAXIAL CABLE**

**DESCRIPTION**

**540FA** – Series 540 Extraflex Trunk Cable: 2.77 mm copper clad aluminum conductor, Fine’s proprietary gas injected PE foam dielectric, TIG welded aluminum tube outer conductor, Flooded for aerial applications and PE jacket.

**CONSTRUCTION DETAILS**

<b>Inner Conductor, mm (inch)</b>	3.15	(0.124)
<b>Dielectric Diameter, mm (inch)</b>	13.03	(0.514)
<b>Outer Conductor Diameter, mm (inch)</b>	13.71	(0.540)
<b>Outer Conductor Thickness, mm (inch)</b>	0.34	(0.013)
<b>Overall Cable Diameter, mm (inch)</b>	15.49	(0.610)

**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>	88 nominal	
<b>Maximum Attenuation @ 20°C at Various Frequencies:</b>	<b>dB/100m</b>	<b>(dB/100 feet)</b>
<b>5 MHz</b>	0.46	0.14
<b>55 MHz</b>	1.54	0.47
<b>250 MHz</b>	3.37	1.03
<b>300 MHz</b>	3.70	1.13
<b>350 MHz</b>	4.03	1.23
<b>400 MHz</b>	4.32	1.32
<b>450 MHz</b>	4.58	1.40
<b>500 MHz</b>	4.88	1.49
<b>550 MHz</b>	5.13	1.56
<b>600 MHz</b>	5.39	1.64
<b>750 MHz</b>	6.08	1.85
<b>870 MHz</b>	6.61	2.02
<b>1000 MHz</b>	7.11	2.17

**PACKAGING**

**Standard Reel Length in nominally 1125 meters.**

**Cable Weight:** 148 kg/km (99 lbs/1000 feet)

**Shipping Weight:** 185 kg/reel (408 lbs/reel)

**Reel Dimensions:** **Flange:** 950 mm **Drum:** 380 mm **Traverse:** 560 mm