



**565**

**EXTRAFLEX TRUNK  
75 OHM COAXIAL CABLE**

**DESCRIPTION**

**565** – Series 565 Extraflex Trunk Cable: 3.28 mm copper clad aluminum conductor, Fine’s proprietary gas injected PE foam dielectric, TIG welded aluminum tube outer conductor and PE jacket.

**CONSTRUCTION DETAILS**

|   |       |         |
|---|-------|---------|
| <b>Inner Conductor, mm (inch)</b>           | 3.28  | (0.129) |
| <b>Dielectric Diameter, mm (inch)</b>       | 13.18 | (0.519) |
| <b>Outer Conductor Diameter, mm (inch)</b>  | 14.35 | (0.565) |
| <b>Outer Conductor Thickness, mm (inch)</b> | 0.58  | (0.023) |
| <b>Overall Cable Diameter, mm (inch)</b>    | 15.88 | (0.625) |

**ELECTRICAL SPECIFICATIONS**

|   |                |                      |
|---|----------------|----------------------|
| <b>Network Analyzer Swept Frequency Range</b>             | 1 – 1000 MHz   |                      |
| <b>Capacitance, pF/m</b>                                  | 50.0 ± 2       |                      |
| <b>Impedance, ohms</b>                                    | 75 ± 2         |                      |
| <b>Velocity of Propagation, %</b>                         | 89 nominal     |                      |
| <b>Structural Return Loss, dB minimum</b>                 | -30            |                      |
| <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 is Nominally 750 meters – longer lengths are available.**

**Cable Weight:** 162 kg/km (109 lbs/1000 feet)

**Shipping Weight:** 158 kg/reel (348 lbs/reel)

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