

# PIII<sup>®</sup> 750 JCASP

## 75 Ohm Coaxial Cable

### Trunk & Distribution

**PRODUCT DESCRIPTION: (AERIAL CONSTRUCTION)**

SOLID ALUMINUM TUBE SWAGED ONTO DIELECTRIC CORE, FULLY BONDED COPPER CLAD CENTER CONDUCTOR, ASPHALTIC FLOODING COMPOUND, MEDIUM DENSITY PE JACKET

**CENTER CONDUCTOR:**

COPPER CLAD ALUMINUM  
 NOMINAL DIAMETER: 0.167" (4.24 mm)

**DIELECTRIC:**

MICRO-CELLULAR FOAM PE  
 NOMINAL DIAMETER 0.680" (17.22 mm)

**SHIELD:**

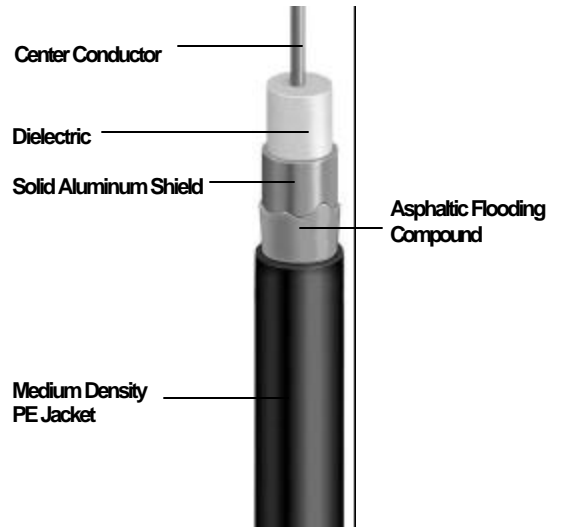
SOLID ALUMINUM TUBE  
 NOMINAL OUTER CONDUCTOR THICKNESS: 0.035" (0.91 mm)

**JACKET:**

MEDIUM DENSITY PE (FLOODED WITH ASPHALTIC FLOODING COMPOUND FOR AERIAL CONSTRUCTION)  
 NOMINAL JACKET DIAMETER: 0.830" (20.83 mm)  
 NOMINAL JACKET THICKNESS: 0.035" (0.90 mm)

**MECHANICAL CHARACTERISTICS:**

MINIMUM BEND RADIUS: STANDARD = 8.0" (20.3 cm)  
 MINIMUM BEND RADIUS: BONDED = 6.0" (15.2 cm)  
 MAXIMUM PULLING TENSION = 675 lbs. (306 kg)



**ELECTRICAL CHARACTERISTICS:**

CAPACITANCE: 15.3 ± 1.0 pf/ft. (50 ± 3.0 nf/km)  
 IMPEDANCE: 75 ± 2 Ohms  
 VELOCITY OF PROPAGATION: 87% NOMINAL  
 MAXIMUM DC LOOP RESISTANCE @ 68°F: 0.76 Ohms/1000 ft. (2.55 Ohms/km)  
 ATTENUATION: @ 68°F (20°C)

Shipping Weight (lbs./kft): 268 - (kg/km): 399

@ Frequency MHz	dB/100 ft. (MAX.)	dB/100 meters (MAX.)
5 MHz	0.11	0.36
55 MHz	0.37	1.21
83 MHz	0.46	1.51
211 MHz	0.74	2.43
250 MHz	0.81	2.66
300 MHz	0.89	2.92
350 MHz	0.97	3.18
400 MHz	1.05	3.44
450 MHz	1.12	3.67
500 MHz	1.18	3.87
550 MHz	1.24	4.07
600 MHz	1.31	4.30
750 MHz	1.48	4.86
865 MHz	1.61	5.28
1000 MHz	1.74	5.71