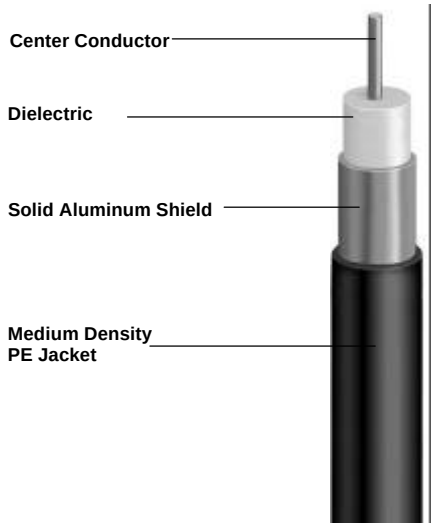
PIII® 750 JCA
75 Ohm Coaxial Cable
Trunk & Distribution

PRODUCT DESCRIPTION: (AERIAL CONSTRUCTION)
SOLID ALUMINUM TUBE SWAGED ONTO DIELECTRIC CORE, FULLY BONDED COPPER CLAD CENTER CONDUCTOR, 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
NOMINAL JACKET DIAMETER: 0.820" (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_f)

Shipping Weight (lbs./kft): 263 - (kg/km): 391

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)	

@ 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

Drawing not to scale.
Specifications subject to change.
Revision: 05/14/99