

# LazerLine!™

## 750JCAM250QCE 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, "FIGURE 8" INTEGRATED MESSENGER

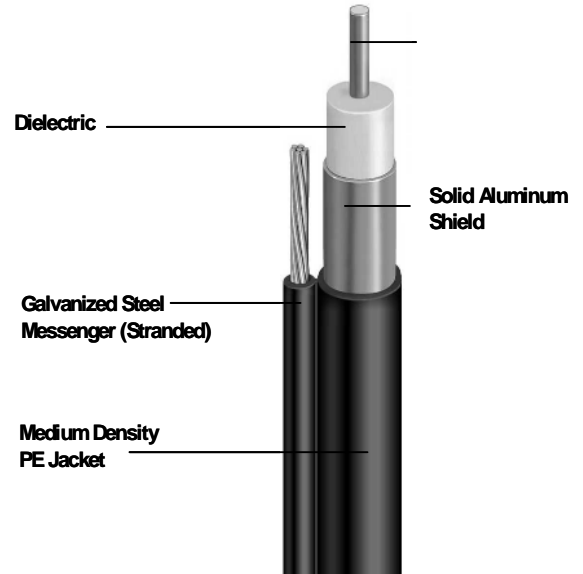
**CENTER CONDUCTOR:**  
COPPER CLAD ALUMINUM  
NOMINAL DIAMETER: 0.167" (4.24 mm)

**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)

**MESSENGER:**  
NOMINAL DIAMETER OF STEEL MESSENGER: 0.250" (6.35 mm)  
MINIMUM BREAKING STRENGTH OF MESSENGER: 6,650 lbs. (3,016 kg)



### 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)

Shipping Weight (lbs./kft): 407 - (kg/km): 606

### ELECTRICAL CHARACTERISTICS:

CAPACITANCE: 15.3 ± 1.0 pF/ft. (50 ± 3.0 nF/km)  
IMPEDANCE: 75 ± 2 Ohms  
VELOCITY OF PROPAGATION: 87% NOMINAL  
NOMINAL 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

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