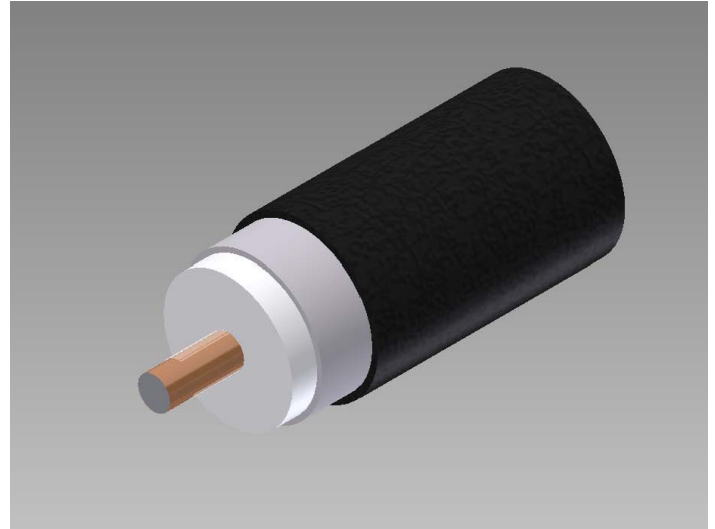


840 Series Coaxial Cable  
Copper Clad Aluminum Conductor  
Foamed Polyethylene Dielectric  
Seamless Aluminum Tube Outer Conductor  
Medium Density Polyethylene Jacket



**Cable Ordering Information**

| Part Number          | Description | NEC / CE Listing |
|----------------------|-------------|------------------|
| 750840J000BK00100001 | TX10840J    |                  |

**Characteristics**

| Material        | Detail                       | inches | mm   |
|-----------------|------------------------------|--------|------|
| Inner Conductor | Copper Clad Aluminum         | 0.194  | 4.93 |
| Dielectric      | Foamed Polyethylene          | 0.780  | 19.8 |
| Outer Conductor | Seamless Aluminum Tube       | 0.840  | 21.3 |
| Floodant        | ---                          | ---    | ---  |
| Jacket          | Polyethylene, Outdoor, Black | 0.910  | 23.1 |
| Messenger       | ---                          | ---    | ---  |
| Cable Width     | ---                          | ---    | ---  |
|                 | ---                          | ---    | ---  |
|                 | ---                          | ---    | ---  |

**Mechanical Specifications**

|                               |             |     |        |
|-------------------------------|-------------|-----|--------|
| Minimum Bend Radius, in. (mm) |             | 7.5 | ( 191) |
| Product Weight                | (less reel) | 214 | ( 318) |

Customers are reminded that they are SOLELY responsible for confirming that all products are properly installed and used in accordance with all applicable codes and regulations.

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**Electrical Specifications**

|                            |                |               |
|----------------------------|----------------|---------------|
| Impedance, $\Omega$        | 75 $\pm$ 2     |               |
| Velocity of Propagation, % | 89             |               |
| Capacitance, Nominal       | 15.2 pF/ft     | 49.9 pF/m     |
| DC Resistance              | $\Omega$ / kft | $\Omega$ / km |
| Inner Conductor            | 0.42           | 1.38          |
| Outer Conductor            | 0.18           | 0.59          |
| Loop                       | 0.60           | 1.97          |

**Structural Return Loss**

|     |        |     |
|-----|--------|-----|
| MHz |        | dB  |
|     | 5-1002 | -30 |

**Attenuation, Maximum @ 68 °F (20 °C)**

| Frequency, MHz | dB / 100 ft | dB / 100 m |
|----------------|-------------|------------|
| 5              | 0.09        | 0.30       |
| 55             | 0.32        | 1.05       |
| 85             | 0.40        | 1.31       |
| 211            | 0.64        | 2.10       |
| 250            | 0.70        | 2.30       |
| 270            | 0.73        | 2.40       |
| 300            | 0.77        | 2.53       |
| 330            | 0.82        | 2.69       |
| 350            | 0.84        | 2.76       |
| 400            | 0.91        | 2.99       |
| 450            | 0.97        | 3.18       |
| 500            | 1.03        | 3.38       |
| 550            | 1.09        | 3.58       |
| 600            | 1.15        | 3.77       |
| 750            | 1.30        | 4.27       |
| 870            | 1.41        | 4.63       |
| 1002           | 1.54        | 5.05       |
| 1100           | 1.62        | 5.31       |
| 1200           | 1.70        | 5.58       |
| 1218           | 1.73        | 5.68       |
| 1300           | 1.78        | 5.84       |
| 1400           | 1.86        | 6.10       |
| 1625           | 1.94        | 6.36       |
| 1600           | 2.01        | 6.59       |
| 1700           | 2.08        | 6.82       |
| 1794           | 2.15        | 7.05       |
| 1800           | 2.16        | 7.09       |
| 2000           | 2.30        | 7.55       |
| 2200           | 2.43        | 7.97       |
| 2400           | 2.56        | 8.40       |
| 2600           | 2.69        | 8.83       |
| 2800           | 2.82        | 9.25       |
| 3000           | 2.94        | 9.65       |

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