

# MoCSY®7 Broadband Coaxial Drop Cable Specifications

## ATZ1177TS-BVM1P



## MoCSY®7 75 Ohm Coaxial Drop Cable, Series 11, TRITON Tri-Shield, Z-Wire® Anti-Corrosion, 77 % Braid, Messenger Wire, PVC Jacket, 1PreP® Bonded Outer Tape

### General

|                |           |
|----------------|-----------|
| Braid Coverage | 77 %      |
| Cable Type     | Series 11 |
| Packaging Type | Reel      |

### Construction Materials

|                      |   |
|----------------------|---|
| Jacket Material      | PVC   |
| Jacket Color         | ■ Black ATZ1177TS-BVM1P   |
| Messenger Wire       | 0.072 in (1.82 mm) galvanized steel                                       |
| Corrosion Protection | Patented Z-Wire® dry corrosion inhibitor                                  |
| Shield Materials     | TRITON Bonded inner foil + 77 % aluminum braid + bonded 1PreP® outer foil |
| Dielectric Material  | Foam PE   |
| Inner Conductor      | Copper-clad steel wire  |

### Dimensions

|                          |                 |          |        |
|--------------------------|-----------------|----------|--------|
| Cable Length             | 1000 ft         | 305 m    |        |
| Diameter Over Jacket     | 0.400 in        | 10.16 mm |        |
| Jacket Wall Thickness    | 0.042 in        | 1.07 mm  |        |
| Diameter Over Tape       | 0.288 in        | 7.32 mm  |        |
| Diameter Over Dielectric | 0.280 in        | 7.11 mm  |        |
| Diameter Inner Conductor | 0.064 in        | 1.63 mm  |        |
| Reel                     | Flange Diameter | 20.8 in  | 525 mm |
|                          | Hub Diameter    | 7.9 in   | 200 mm |
|                          | Traverse Width  | 11.8 in  | 300 mm |
| Total Weight             | 80.7 lbs        | 36.7 kg  |        |

### Electrical Specifications

|                                 |                 |                |
|---------------------------------|-----------------|----------------|
| Operating Frequency Band        | 5 to 3000 MHz   |                |
| Impedance                       | 75 Ohms         |                |
| Velocity                        | 85 %            |                |
| DC Loop Resistance              | 14.2 Ohms / kft | 46.6 Ohms / km |
| Dielectric Strength             | 1500 V          |                |
| Jacket Spark Test Voltage (rms) | 2500 V          |                |

### Attenuation @ 68 °F (20 °C)

| Freq. (MHz) | db / 100 ft | db / 100 m | Freq. (MHz) | db / 100 ft | db / 100 m |
|-------------|-------------|------------|-------------|-------------|------------|
| 5           | 0.38        | 1.25       | 870         | 4.06        | 13.31      |
| 55          | 0.96        | 3.15       | 1000        | 4.35        | 14.27      |
| 211         | 1.90        | 6.23       | 1218        | 4.92        | 16.14      |
| 250         | 2.05        | 6.72       | 1300        | 5.01        | 16.44      |
| 270         | 2.13        | 7.00       | 1400        | 5.22        | 17.13      |
| 300         | 2.25        | 7.38       | 1500        | 5.42        | 17.78      |
| 330         | 2.35        | 7.71       | 1600        | 5.62        | 18.44      |
| 350         | 2.42        | 7.94       | 1700        | 5.81        | 19.06      |
| 400         | 2.60        | 8.53       | 1800        | 6.00        | 19.69      |
| 450         | 2.75        | 9.02       | 2000        | 6.37        | 20.90      |
| 500         | 2.90        | 9.51       | 2200        | 6.72        | 22.05      |
| 550         | 3.04        | 9.97       | 2500        | 7.22        | 23.69      |
| 600         | 3.18        | 10.43      | 2800        | 7.71        | 25.30      |
| 750         | 3.65        | 11.97      | 3000        | 8.02        | 26.31      |

### Standards Conformance

|            |                      |
|------------|----------------------|
| Applicable | RoHS<br>SCTE 74 2011 |
|------------|----------------------|