

# MoCSY®7 Broadband Coaxial Drop Cable Specifications



## AT677TS-BVM1P



**MOCSY®7**

**TRITON**

**1PreP®**

**copper  
GUARD**



### MoCSY®7 75 Ohm Coaxial Drop Cable, Series 6, TRITON Tri-Shield, 77 % Braid, PVC Jacket, Messenger Wire, 1PreP® Bonded Outer Tape

#### General

|                |          |
|----------------|----------|
| Braid Coverage | 77 %     |
| Cable Type     | Series 6 |
| Packaging Type | Reel     |

#### Construction Materials

|                     |                                                                           |
|---------------------|---------------------------------------------------------------------------|
| Jacket Material     | PVC                                                                       |
| Jacket Color        | ■ Black AT677TS-BVM1P                                                     |
| Messenger Wire      | 0.051 in (1.30 mm) galvanized steel                                       |
| 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     | 0.275 in        | 6.99 mm        |
| Jacket Wall Thickness    | 0.03 in         | 0.76 mm        |
| Diameter Over Tape       | 0.186 in        | 4.72 mm        |
| Diameter Over Dielectric | 0.177 in        | 4.49 mm        |
| Diameter Inner Conductor | 0.0403 in       | 1.024 mm       |
| Reel                     | Flange Diameter | 14 in 350 mm   |
|                          | Hub Diameter    | 4 in 100 mm    |
|                          | Traverse Width  | 11.8 in 300 mm |
| Total Weight             | 39 lbs          | 17.9 kg        |

#### Electrical Specifications

|                                 |                               |
|---------------------------------|-------------------------------|
| Operating Frequency Band        | 5 to 3000 MHz                 |
| Impedance                       | 75 Ohms                       |
| Velocity                        | 85 %                          |
| DC Loop Resistance              | 32.4 Ohms / kft 106 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           | 0.58        | 1.90       | 870         | 6.11        | 20.04      |
| 55          | 1.60        | 5.25       | 1000        | 6.55        | 21.49      |
| 211         | 3.05        | 10.00      | 1218        | 7.21        | 23.62      |
| 250         | 3.30        | 10.82      | 1300        | 7.53        | 24.67      |
| 270         | 3.37        | 11.04      | 1400        | 7.84        | 25.68      |
| 300         | 3.55        | 11.64      | 1500        | 8.13        | 26.63      |
| 330         | 3.74        | 12.26      | 1600        | 8.42        | 27.58      |
| 350         | 3.85        | 12.63      | 1700        | 8.70        | 28.50      |
| 400         | 4.15        | 13.61      | 1800        | 8.97        | 29.38      |
| 450         | 4.40        | 14.43      | 2000        | 9.50        | 31.12      |
| 500         | 4.66        | 15.29      | 2200        | 10.01       | 32.79      |
| 550         | 4.90        | 16.08      | 2500        | 10.73       | 35.15      |
| 600         | 5.10        | 16.73      | 2800        | 11.42       | 37.41      |
| 750         | 5.65        | 18.54      | 3000        | 11.86       | 38.85      |

#### Mechanical Specifications

|                             |                    |
|-----------------------------|--------------------|
| Messenger Breaking Strength | 77.1 kgf (170 lbf) |
|-----------------------------|--------------------|

#### Standards Conformance

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



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