



4598303 | F677TSVM

**75 Ohm Coaxial Drop Cable, Series 6, black PVC jacket with messenger**

## Construction Materials

|                               |  |
|-------------------------------|--|
| Jacket Material               | PVC                                    |
| Center Conductor Material     | Copper-clad steel                      |
| Dielectric Material           | Foam PE                                |
| Inner Shield (Braid) Coverage | 77 %                                   |
| Inner Shield (Braid) Gauge    | 34 AWG                                 |
| Inner Shield (Braid) Material | Aluminum                               |
| Inner Shield (Tape) Material  | Aluminum/Polymer/Aluminum (APA) bonded |
| Messenger Wire Material       | Zinc-coated steel                      |
| Outer Shield (Tape) Material  | Aluminum/Polymer/Aluminum (APA)        |

## Dimensions

|  |              |  |           |
|--|--------------|--|-----------|
| Diameter Over Center Conductor, nominal    | 1.016 mm     |  | 0.040 in  |
| Diameter Over Dielectric, nominal          | 4.572 mm     |  | 0.180 in  |
| Diameter Over Inner Shield (Tape), nominal | 4.750 mm     |  | 0.187 in  |
| Diameter Over Jacket, nominal              | 7.061 mm     |  | 0.278 in  |
| Diameter Over Messenger Wire, nominal      | 1.295 mm     |  | 0.051 in  |
| Jacket Thickness, nominal                  | 0.7620 mm    |  | 0.0300 in |
| Shipping Weight                            | 46.00 lb/kft |  |           |

## Electrical Specifications

|   |   |
|---|---|
| dc Resistance, Inner Conductor, nominal | 30.50 ohms/kft  |
| dc Resistance, Outer Conductor, nominal | 6.40 ohms/kft   |
| dc Resistance, Loop, nominal            | 36.90 ohms/kft  |
| dc Resistance Note                      | Nominal values based on a standard condition of 20 °C (68 °F) |
| Capacitance                             | 53.1 pF/m   16.2 pF/ft  |
| Characteristic Impedance                | 75 ohm  |
| Characteristic Impedance Tolerance      | ±3 ohm  |
| Nominal Velocity of Propagation (NVP)   | 85 %  |

## Environmental Specifications

|                     |        |
|---------------------|--------|
| Environmental Space | Aerial |
|---------------------|--------|

## General Specifications

|                          |           |
|--------------------------|-----------|
| Cable Type               | Series 6  |
| Packaging Type           | Reel      |
| Shield Construction Type | Trishield |
| Center Conductor Gauge   | 18 AWG    |
| Center Conductor Type    | Solid     |
| Jacket Color             | Black     |

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|                     |          |
|---------------------|----------|
| Jacket Marking      | Feet     |
| Messenger Wire Type | Solid    |
| Warranty            | One year |

## Mechanical Specifications

Messenger Wire Breaking Strength, minimum 82 kg | 180 lb

## Electrical Performance

| Frequency | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------|------------------------|-------------------------|
| 5 MHz     | 1.90                   | 0.58                    |
| 55 MHz    | 5.25                   | 1.60                    |
| 83 MHz    | 6.40                   | 1.95                    |
| 85 MHz    | 6.46                   | 1.97                    |
| 187 MHz   | 9.35                   | 2.85                    |
| 204 MHz   | 9.84                   | 3.00                    |
| 211 MHz   | 10.00                  | 3.05                    |
| 250 MHz   | 10.82                  | 3.30                    |
| 300 MHz   | 11.64                  | 3.55                    |
| 350 MHz   | 12.63                  | 3.85                    |
| 400 MHz   | 13.61                  | 4.15                    |
| 450 MHz   | 14.43                  | 4.40                    |
| 500 MHz   | 15.29                  | 4.66                    |
| 550 MHz   | 16.08                  | 4.90                    |
| 600 MHz   | 16.73                  | 5.10                    |
| 750 MHz   | 18.54                  | 5.65                    |
| 865 MHz   | 20.01                  | 6.10                    |
| 1000 MHz  | 21.49                  | 6.55                    |
| 1218 MHz  | 23.66                  | 7.21                    |

\* Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)

## Regulatory Compliance/Certifications

| Agency          | Classification   |
|-----------------|--|
| RoHS 2011/65/EU | Compliant  |
| ISO 9001:2008   | Designed, manufactured and/or distributed under this quality management system |