



Broadband Solutions

7442223 | F677TSW WHT CL 700'

75 Ohm Coaxial Drop Cable, Series 6, white flame retardant PVC jacket

Construction Materials

| | |
|-------------------------------|--|
| Jacket Material | Fire retardant 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 |
| 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 |
| Jacket Thickness, nominal | 0.7620 mm | | 0.0300 in |
| Shipping Weight | 34.00 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 | Indoor |
| Flame Test Listing | CATV CM NEC Article 800 NEC Article 820 |

General Specifications

| | |
|--------------------------|-----------|
| Cable Type | Series 6 |
| Packaging Type | Coil |
| Shield Construction Type | Trishield |
| Center Conductor Gauge | 18 AWG |
| Center Conductor Type | Solid |
| Jacket Color | White |
| Jacket Marking | Feet |
| Warranty | One year |

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 |