



75 Ohm P3® Trunk and Distribution Cable, Gray PE jacket

Product Classification

| | |
|---------------------|------------------------|
| Brand | P3® |
| Product Type | Coaxial hardline cable |

Construction Materials

| | |
|----------------------------------|----------------------|
| Jacket Material | PE |
| Center Conductor Material | Copper-clad aluminum |
| Construction Type | Swaged |
| Dielectric Material | Foam PE |
| Outer Conductor Material | Aluminum |

Dimensions

| | |
|--|-----------------------|
| Diameter Over Center Conductor, nominal | 3.480 mm 0.137 in |
| Diameter Over Dielectric, nominal | 14.351 mm 0.565 in |
| Diameter Over Outer Conductor, nominal | 15.875 mm 0.625 in |
| Diameter Over Jacket, nominal | 17.399 mm 0.685 in |
| Jacket Thickness, nominal | 0.7620 mm 0.0300 in |
| Outer Conductor Thickness, nominal | 0.7620 mm 0.0300 in |
| Cable Length | 732 m 2400 ft |
| Shipping Weight | 183.00 lb/kft |

Electrical Specifications

| | |
|--|---|
| dc Resistance, Inner Conductor, nominal | 0.84 ohms/kft |
| dc Resistance, Outer Conductor, nominal | 0.26 ohms/kft |
| dc Resistance, Loop, nominal | 1.10 ohms/kft |
| dc Resistance Note | Nominal values based on a standard condition of 20 °C (68 °F) |
| Capacitance | 50.2 pF/m 15.3 pF/ft |
| Capacitance Tolerance | ±1.0 pF/ft |
| Characteristic Impedance | 75 ohm |
| Characteristic Impedance Tolerance | ±2 ohm |
| Jacket Spark Test Voltage | 5000 Vac |
| Nominal Velocity of Propagation (NVP) | 87 % |
| Operating Frequency Band | 5–3000 MHz |
| Structural Return Loss | 26 dB @ 1002–1218 MHz 30 dB @ 5–1002 MHz |

Environmental Specifications

Environmental Space Aerial

General Specifications

Cable Type 625 series

Jacket Color Gray

Packaging Type Reel

Warranty One year

Mechanical Specifications

Minimum Bend Radius, bonded 114.30 mm | 4.50 in

Pulling Tension, maximum 215 kg | 475 lb

Electrical Performance

| Frequency | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------|------------------------|-------------------------|
| 5 MHz | 0.43 | 0.13 |
| 55 MHz | 1.48 | 0.45 |
| 83 MHz | 1.84 | 0.56 |
| 85 MHz | 1.84 | 0.56 |
| 204 MHz | 2.92 | 0.89 |
| 211 MHz | 3.02 | 0.92 |
| 250 MHz | 3.28 | 1.00 |
| 300 MHz | 3.54 | 1.08 |
| 350 MHz | 3.87 | 1.18 |
| 400 MHz | 4.17 | 1.27 |
| 450 MHz | 4.43 | 1.35 |
| 500 MHz | 4.69 | 1.43 |
| 550 MHz | 4.92 | 1.50 |
| 600 MHz | 5.18 | 1.58 |
| 750 MHz | 5.84 | 1.78 |
| 865 MHz | 6.33 | 1.93 |
| 1000 MHz | 6.79 | 2.07 |
| 1218 MHz | 7.63 | 2.33 |
| 1400 MHz | 8.29 | 2.53 |
| 1500 MHz | 8.62 | 2.63 |
| 1600 MHz | 8.95 | 2.73 |
| 1700 MHz | 9.27 | 2.83 |
| 1794 MHz | 9.56 | 2.92 |
| 1800 MHz | 9.58 | 2.93 |
| 2000 MHz | 10.19 | 3.11 |
| 2200 MHz | 10.78 | 3.28 |
| 2400 MHz | 11.35 | 3.46 |
| 2600 MHz | 11.90 | 3.63 |
| 2800 MHz | 12.44 | 3.79 |
| 3000 MHz | 12.96 | 3.95 |

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

Regulatory Compliance/Certifications

| Agency | Classification |
|-----------------|--|
| RoHS 2011/65/EU | Compliant |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |

