



75 Ohm P3® Trunk and Distribution Cable, black PE jacket with co-extruded blue stripes

## Product Classification

<b>Brand</b>	P3®
<b>Product Type</b>	Coaxial hardline cable

## Construction Materials

<b>Jacket Material</b>	PE
<b>Center Conductor Material</b>	Copper-clad aluminum
<b>Construction Type</b>	Swaged
<b>Dielectric Material</b>	Foam PE
<b>Outer Conductor Material</b>	Aluminum

## Dimensions

<b>Diameter Over Center Conductor, nominal</b>	4.242 mm   0.167 in
<b>Diameter Over Dielectric, nominal</b>	17.323 mm   0.682 in
<b>Diameter Over Outer Conductor, nominal</b>	19.050 mm   0.750 in
<b>Diameter Over Jacket, nominal</b>	20.828 mm   0.820 in
<b>Jacket Thickness, nominal</b>	0.8890 mm   0.0350 in
<b>Outer Conductor Thickness, nominal</b>	0.8636 mm   0.0340 in
<b>Cable Length</b>	762 m   2500 ft
<b>Shipping Weight</b>	260.00 lb/kft

## Electrical Specifications

<b>dc Resistance, Inner Conductor, nominal</b>	0.57 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	0.19 ohms/kft
<b>dc Resistance, Loop, nominal</b>	0.76 ohms/kft
<b>dc Resistance Note</b>	Nominal values based on a standard condition of 20 °C (68 °F)
<b>Capacitance</b>	50.2 pF/m   15.3 pF/ft
<b>Capacitance Tolerance</b>	±1.0 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±2 ohm
<b>Jacket Spark Test Voltage</b>	5000 Vac
<b>Nominal Velocity of Propagation (NVP)</b>	87 %
<b>Operating Frequency Band</b>	5–3000 MHz
<b>Structural Return Loss</b>	26 dB @ 1002–1218 MHz   30 dB @ 5–1002 MHz

## Environmental Specifications

**Environmental Space** Aerial

## General Specifications

**Cable Type** 750 series  
**Jacket Color** Black with co-extruded green stripe  
**Packaging Type** Reel  
**Short Description** P3 750 JCAT B SM PR2171  
**Warranty** One year

## Mechanical Specifications

**Minimum Bend Radius, bonded** 152.40 mm | 6.00 in  
**Pulling Tension, maximum** 306 kg | 675 lb

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	0.36	0.11
55 MHz	1.21	0.37
83 MHz	1.51	0.46
85 MHz	1.51	0.46
204 MHz	2.36	0.72
211 MHz	2.43	0.74
250 MHz	2.66	0.81
300 MHz	2.92	0.89
350 MHz	3.18	0.97
400 MHz	3.45	1.05
450 MHz	3.67	1.12
500 MHz	3.87	1.18
550 MHz	4.07	1.24
600 MHz	4.30	1.31
750 MHz	4.86	1.48
865 MHz	5.28	1.61
1000 MHz	5.71	1.74
1002 MHz	5.72	1.74
1218 MHz	6.36	1.94
1300 MHz	6.60	2.01
1400 MHz	6.88	2.10
1500 MHz	7.16	2.18
1600 MHz	7.43	2.26
1700 MHz	7.69	2.34
1794 MHz	7.93	2.42
1800 MHz	7.95	2.42
2000 MHz	8.45	2.58
2200 MHz	8.93	2.72
2400 MHz	9.40	2.87

2600 MHz	9.86	3.00
2800 MHz	10.30	3.14
3000 MHz	10.73	3.27

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

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
ISO 9001:2015

### Classification

Compliant  
Designed, manufactured and/or distributed under this quality management system

