



75 Ohm P3® Trunk and Distribution Cable, unjacketed

## Product Classification

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

## Construction Materials

<b>Jacket Material</b>	Unjacketed
<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>	4.928 mm   0.194 in
<b>Diameter Over Dielectric, nominal</b>	20.244 mm   0.797 in
<b>Diameter Over Outer Conductor, nominal</b>	22.225 mm   0.875 in
<b>Outer Conductor Thickness, nominal</b>	0.9906 mm   0.0390 in
<b>Cable Length</b>	762 m   2500 ft
<b>Shipping Weight</b>	300.00 lb/kft

## Electrical Specifications

<b>dc Resistance, Inner Conductor, nominal</b>	0.42 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	0.13 ohms/kft
<b>dc Resistance, Loop, nominal</b>	0.55 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>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

<b>Environmental Space</b>	Aerial
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## General Specifications

<b>Cable Type</b>	875 series
<b>Jacket Color</b>	Unjacketed
<b>Packaging Type</b>	Reel
<b>Short Description</b>	P3 875 CA
<b>Warranty</b>	One year

## Mechanical Specifications

<b>Minimum Bend Radius, standard</b>	254.00 mm   10.00 in
<b>Pulling Tension, maximum</b>	397 kg   875 lb

## Electrical Performance

<b>Frequency</b>	<b>Attenuation (dB/100 m)</b>	<b>Attenuation (dB/100 ft)</b>
5 MHz	0.30	0.09
55 MHz	1.08	0.33
83 MHz	1.35	0.41
85 MHz	1.31	0.40
204 MHz	2.07	0.63
211 MHz	2.17	0.66
250 MHz	2.36	0.72
300 MHz	2.56	0.78
350 MHz	2.76	0.84
400 MHz	2.99	0.91
450 MHz	3.18	0.97
500 MHz	3.38	1.03
550 MHz	3.54	1.08
600 MHz	3.74	1.14
750 MHz	4.23	1.29
865 MHz	4.63	1.41
1000 MHz	5.02	1.53
1002 MHz	5.03	1.53
1218 MHz	5.57	1.70
1300 MHz	5.78	1.76
1400 MHz	6.03	1.84
1500 MHz		
1600 MHz	1.91	6.27
1700 MHz	6.74	2.05
1794 MHz	6.95	2.12
1800 MHz	7.02	2.14
2000 MHz	7.40	2.26
2200 MHz	7.82	2.38
2400 MHz	8.23	2.51
2600 MHz	8.63	2.63
2800 MHz	9.02	2.75
3000 MHz	9.39	2.86

\* 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

