

HomeConnect® 75 Ohm Coaxial Drop Cable, Series 59, white PVC jacket



## Product Classification

<b>Brand</b>	HomeConnect®
<b>Product Type</b>	Coaxial drop cable
<b>Product Series</b>	59 Series

## Standards And Qualifications

<b>EN50575 CPR Cable EuroClass</b>	Eca
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## Construction Materials

<b>Jacket Material</b>	PVC
<b>Center Conductor Material</b>	Copper-clad steel
<b>Dielectric Material</b>	Foam PE
<b>Inner Shield (Braid) Coverage</b>	77 %
<b>Inner Shield (Braid) Gauge</b>	34 AWG
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA) bonded
<b>Outer Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA)

## Dimensions

<b>Diameter Over Center Conductor, nominal</b>	0.813 mm   0.032 in
<b>Diameter Over Dielectric, nominal</b>	3.658 mm   0.144 in
<b>Diameter Over Inner Shield (Tape), nominal</b>	3.785 mm   0.149 in
<b>Diameter Over Jacket, nominal</b>	6.096 mm   0.240 in
<b>Jacket Thickness, nominal</b>	0.8128 mm   0.0320 in
<b>Shipping Weight</b>	25.00 lb/kft

## Electrical Specifications

<b>dc Resistance, Inner Conductor, nominal</b>	45.70 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	7.00 ohms/kft

<b>dc Resistance, Loop, nominal</b>	52.70 ohms/kft
<b>Operating Frequency Band</b>	5–3000 MHz
<b>dc Resistance Note</b>	Nominal values based on a standard condition of 20 °C (68 °F)
<b>Capacitance</b>	53.1 pF/m   16.2 pF/ft
<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>Nominal Velocity of Propagation (NVP)</b>	85 %

## Environmental Specifications

<b>Environmental Space</b>	Indoor   Outdoor
<b>Flame Test Listing</b>	IEC 60332-1-2

## General Specifications

<b>Cable Type</b>	Series 59
<b>Packaging Type</b>	Reel
<b>Shield Construction Type</b>	Trishield
<b>Center Conductor Gauge</b>	20 AWG
<b>Center Conductor Type</b>	Solid
<b>Jacket Color</b>	White
<b>Warranty</b>	One year

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	2.82	0.86
55 MHz	6.73	2.05
83 MHz	8.04	2.45
85 MHz	8.14	2.48
187 MHz	11.81	3.60
204 MHz	12.27	3.74
211 MHz	12.47	3.80
250 MHz	13.45	4.10
300 MHz	14.60	4.45
350 MHz	15.75	4.80
400 MHz	16.73	5.10
450 MHz	17.72	5.40
500 MHz	18.70	5.70
550 MHz	19.52	5.95
600 MHz	20.34	6.20
750 MHz	22.87	6.97
865 MHz	24.67	7.52
1000 MHz	26.64	8.12
1200 MHz	29.29	8.93
1218 MHz	29.52	9.00
1218 MHz	29.59	9.02

1300 MHz	30.55	9.31
1400 MHz	31.78	9.69
1500 MHz	32.96	10.05
1600 MHz	34.11	10.40
1700 MHz	35.23	10.74
1794 MHz	35.77	10.09
1800 MHz	36.32	11.07

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

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU

ISO 9001:2015

CENELEC

### Classification

Compliant

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

EN 50575 compliant, Declaration of Performance (DoP) available

