



HomeConnect® 75 Ohm Coaxial Drop Cable, Series 50, black PVC jacket with messenger

## Product Classification

<b>Brand</b>	HomeConnect®
<b>Product Type</b>	Coaxial drop cable
<b>Product Series</b>	50 Series

## Construction Materials

<b>Jacket Material</b>	PVC
<b>Center Conductor Material</b>	Copper-clad aluminum
<b>Dielectric Material</b>	Foam PE
<b>Inner Shield (Braid) Coverage</b>	77 %
<b>Inner Shield (Braid) Gauge</b>	33 AWG
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA) bonded
<b>Messenger Wire Material</b>	Zinc-coated steel
<b>Outer Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA)

## Dimensions

<b>Diameter Over Center Conductor, nominal</b>	2.769 mm   0.109 in
<b>Diameter Over Dielectric, nominal</b>	11.557 mm   0.455 in
<b>Diameter Over Inner Shield (Tape), nominal</b>	11.760 mm   0.463 in
<b>Diameter Over Jacket, nominal</b>	14.986 mm   0.590 in
<b>Diameter Over Messenger Wire, nominal</b>	2.769 mm   0.109 in
<b>Jacket Thickness, nominal</b>	1.1938 mm   0.0470 in
<b>Shipping Weight</b>	151.00 lb/kft

## Electrical Specifications

<b>dc Resistance, Inner Conductor, nominal</b>	1.20 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	2.80 ohms/kft
<b>dc Resistance, Loop, nominal</b>	4.00 ohms/kft
<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

**Environmental Space** Aerial

## General Specifications

**Cable Type** Series 50  
**Packaging Type** Reel  
**Shield Construction Type** Trishield  
**Center Conductor Gauge** 9 AWG  
**Center Conductor Type** Solid  
**Jacket Color** Black  
**Jacket Marking** Feet  
**Messenger Wire Type** Solid  
**Warranty** One year

## Mechanical Specifications

**Messenger Wire Breaking Strength, minimum** 816 kg | 1800 lb

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	0.69	0.21
55 MHz	1.97	0.60
83 MHz	2.40	0.73
85 MHz	2.43	0.74
187 MHz	3.58	1.09
204 MHz	4.63	1.14
211 MHz	3.81	1.16
250 MHz	4.17	1.27
300 MHz	4.56	1.39
350 MHz	4.92	1.50
400 MHz	5.28	1.61
450 MHz	5.61	1.71
500 MHz	5.91	1.80
550 MHz	6.20	1.89
600 MHz	6.50	1.98
750 MHz	7.32	2.23
865 MHz	7.87	2.40
1000 MHz	8.50	2.59
1218 MHz	9.42	2.87
1300 MHz	9.81	2.99
1400 MHz	10.27	3.13
1500 MHz	10.70	3.26
1600 MHz	11.09	3.38
1700 MHz	11.52	3.51
1794 MHz	11.88	3.62
1800 MHz	11.91	3.63

2000 MHz	12.70	3.87
2200 MHz	13.45	4.10
2500 MHz	14.53	4.43
2800 MHz	15.59	4.75
3000 MHz	16.24	4.95

\* 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

