

HomeConnect® 75 Ohm Coaxial Drop Cable, Series 6, black PVC jacket with messenger



## Product Classification

<b>Brand</b>	HomeConnect®
<b>Product Type</b>	Coaxial drop cable
<b>Product Series</b>	6 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>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>	1.016 mm   0.040 in
<b>Diameter Over Dielectric, nominal</b>	4.572 mm   0.180 in
<b>Diameter Over Inner Shield (Tape), nominal</b>	4.750 mm   0.187 in
<b>Diameter Over Jacket, nominal</b>	7.061 mm   0.278 in
<b>Diameter Over Messenger Wire, nominal</b>	1.295 mm   0.051 in
<b>Jacket Thickness, nominal</b>	0.7620 mm   0.0300 in
<b>Shipping Weight</b>	46.00 lb/kft

## Electrical Specifications

<b>dc Resistance, Inner Conductor, nominal</b>	30.50 ohms/kft
<b>dc Resistance, Outer Conductor, nominal</b>	6.40 ohms/kft
<b>dc Resistance, Loop, nominal</b>	36.90 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>	Aerial
<b>Flame Test Listing</b>	IEC 60332-1-2

## General Specifications

<b>Cable Type</b>	Series 6
<b>Packaging Type</b>	Reel
<b>Shield Construction Type</b>	Trishield
<b>Center Conductor Gauge</b>	18 AWG
<b>Center Conductor Type</b>	Solid
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Meters
<b>Messenger Wire Type</b>	Solid
<b>Warranty</b>	One year

## Mechanical Specifications

**Messenger Wire Breaking Strength, minimum** 82 kg | 180 lb

## Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	1.90	0.58
55 MHz	5.25	1.60
83 MHz	6.40	1.95
85 MHz	6.46	1.97
187 MHz	9.35	2.85
204 MHz	9.84	3.00
211 MHz	10.00	3.05
250 MHz	10.82	3.30
300 MHz	11.64	3.55
350 MHz	12.63	3.85
400 MHz	13.61	4.15
450 MHz	14.43	4.40

500 MHz	15.29	4.66
550 MHz	16.08	4.90
600 MHz	16.73	5.10
750 MHz	18.54	5.65
865 MHz	20.01	6.10
1000 MHz	21.49	6.55
1218 MHz	23.66	7.21
1300 MHz	24.71	7.53
1400 MHz	25.71	7.84
1500 MHz	26.68	8.13
1600 MHz	27.63	8.42
1700 MHz	28.54	8.70
1794 MHz	29.39	8.96
1800 MHz	29.44	8.97
2000 MHz	31.17	9.50
2200 MHz	32.83	10.01
2500 MHz	35.20	10.73
2800 MHz	37.46	11.42
3000 MHz	38.91	11.86

\* 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
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

