



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

Product Classification

Brand	HomeConnect®
Product Type	Coaxial drop cable
Product Series	50 Series

Construction Materials

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

Dimensions

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

Electrical Specifications

dc Resistance, Inner Conductor, nominal	1.20 ohms/kft
dc Resistance, Outer Conductor, nominal	2.80 ohms/kft
dc Resistance, Loop, nominal	4.00 ohms/kft
dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
Capacitance	53.1 pF/m 16.2 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Nominal Velocity of Propagation (NVP)	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

