

HomeConnect® 75 Ohm Coaxial Drop Cable, Series 6, black flame retardant PVC jacket



Product Classification

Brand	HomeConnect®
Product Type	Coaxial drop cable
Product Series	6 Series

Construction Materials

Jacket Material	Fire retardant PVC
Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	60 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Braid) Coverage	40 %
Outer Shield (Braid) Gauge	34 AWG
Outer Shield (Braid) Material	Aluminum
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)

Dimensions

Diameter Over Center Conductor, nominal	1.016 mm 0.040 in
Diameter Over Dielectric, nominal	4.572 mm 0.180 in
Diameter Over Inner Shield (Tape), nominal	4.750 mm 0.187 in
Diameter Over Jacket, nominal	7.544 mm 0.297 in
Jacket Thickness, nominal	0.8382 mm 0.0330 in
Shipping Weight	42.00 lb/kft

Electrical Specifications

dc Resistance, Inner Conductor, nominal	30.50 ohms/kft
dc Resistance, Outer Conductor, nominal	5.20 ohms/kft

dc Resistance, Loop, nominal	35.70 ohms/kft
Operating Frequency Band	5–3000 MHz
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	Indoor
Flame Test Listing	AS/NZS 1660.5.6

General Specifications

Cable Type	Series 6
Packaging Type	Reel
Shield Construction Type	Quad shield
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meters
Warranty	One year

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

RoHS 2011/65/EU
ISO 9001:2015

Classification

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

