

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



Product Classification

Brand	HomeConnect®
Product Type	Coaxial drop cable
Product Series	59 Series

Standards And Qualifications

EN50575 CPR Cable EuroClass	Eca
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Construction Materials

Jacket Material	PVC
Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	67 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)

Dimensions

Diameter Over Center Conductor, nominal	0.813 mm 0.032 in
Diameter Over Dielectric, nominal	3.658 mm 0.144 in
Diameter Over Inner Shield (Tape), nominal	3.785 mm 0.149 in
Diameter Over Jacket, nominal	6.096 mm 0.240 in
Jacket Thickness, nominal	0.8128 mm 0.0320 in
Shipping Weight	21.00 lb/kft

Electrical Specifications

dc Resistance, Inner Conductor, nominal	45.70 ohms/kft
dc Resistance, Outer Conductor, nominal	7.60 ohms/kft

dc Resistance, Loop, nominal	53.30 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 Outdoor
Flame Test Listing	IEC 60332-1-2

General Specifications

Cable Type	Series 59
Packaging Type	Reel
Shield Construction Type	Trishield
Center Conductor Gauge	20 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	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	10.90
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

