

HomeConnect® 75 Ohm Coaxial Drop Cable, Series 11, black PVC jacket with messenger



Product Classification

Product Type	Coaxial drop cable
Product Brand	HomeConnect®
Product Series	11 Series
Warranty	One year

General Specifications

Cable Type	Series 11
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meters
Messenger Wire Type	Solid
Shield Construction Type	Trishield

Dimensions

Diameter Over Center Conductor, nominal	0.064 in 1.626 mm
Diameter Over Dielectric, nominal	0.28 in 7.112 mm
Diameter Over Inner Shield (Tape), nominal	0.287 in 7.29 mm
Diameter Over Jacket, nominal	0.4 in 10.16 mm
Diameter Over Messenger Wire, nominal	0.072 in 1.829 mm
Jacket Thickness, nominal	0.039 in 0.991 mm
Center Conductor Gauge	14 AWG
Inner Shield (Braid) Gauge	34 AWG

Electrical Specifications

Capacitance	16.2 pF/ft 53.15 pF/m
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Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
dc Resistance, Inner Conductor, nominal	12.5 ohms/kft 41.01 ohms/km
dc Resistance, Loop, nominal	16.8 ohms/kft 55.118 ohms/km
dc Resistance, Outer Conductor, nominal	4.3 ohms/kft 14.108 ohms/km
Nominal Velocity of Propagation (NVP)	85 %
Operating Frequency Band	5–3000 MHz

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	1.25	0.38
55.0	3.15	0.96
83.0	3.87	1.18
85.0	3.9	1.19
187.0	5.74	1.75
204.0	6.14	1.87
211.0	6.23	1.9
250.0	6.72	2.05
300.0	7.38	2.25
350.0	7.94	2.42
400.0	8.53	2.6
450.0	9.02	2.75
500.0	9.51	2.9
550.0	9.97	3.04
600.0	10.43	3.18
750.0	11.97	3.65
865.0	13.05	3.98
1000.0	14.27	4.35
1218.0	16.14	4.92
1300.0	16.44	5.01
1400.0	17.13	5.22
1500.0	17.79	5.42
1600.0	18.44	5.62
1700.0	19.08	5.81

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1794.0	19.66	5.99
1800.0	19.7	6
2000.0	20.89	6.37
2200.0	22.05	6.72
2500.0	23.7	7.22
2800.0	25.28	7.71
3000.0	26.3	8.02

Material Specifications

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

Mechanical Specifications

Messenger Wire Breaking Strength, minimum	365 lb 165.561 kg
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Environmental Specifications

EN50575 CPR Cable EuroClass	Eca
Environmental Space	Aerial
Flame Test Listing	IEC 60332-1-2

Packaging and Weights

Packaging Type	Reel
Weight, gross	85 lb/kft 11.752 kg/km

Regulatory Compliance/Certifications

Agency	Classification
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

