

HomeConnect® 75 Ohm Coaxial Drop Cable, Series 11, black flame retardant PVC jacket



## Product Classification

|                       |                    |
|-----------------------|--------------------|
| <b>Brand</b>          | HomeConnect®       |
| <b>Product Type</b>   | Coaxial drop cable |
| <b>Product Series</b> | 11 Series          |

## Construction Materials

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

## Dimensions

|                                                   |                       |
|---------------------------------------------------|-----------------------|
| <b>Diameter Over Center Conductor, nominal</b>    | 1.626 mm   0.064 in   |
| <b>Diameter Over Dielectric, nominal</b>          | 7.112 mm   0.280 in   |
| <b>Diameter Over Inner Shield (Tape), nominal</b> | 7.290 mm   0.287 in   |
| <b>Diameter Over Jacket, nominal</b>              | 10.338 mm   0.407 in  |
| <b>Jacket Thickness, nominal</b>                  | 0.9398 mm   0.0370 in |
| <b>Shipping Weight</b>                            | 72.00 lb/kft          |

## Electrical Specifications

|                                                |                |
|------------------------------------------------|----------------|
| <b>dc Resistance, Inner Conductor, nominal</b> | 12.50 ohms/kft |
| <b>dc Resistance, Outer Conductor, nominal</b> | 3.70 ohms/kft  |

|                                              |                                                               |
|----------------------------------------------|---------------------------------------------------------------|
| <b>dc Resistance, Loop, nominal</b>          | 16.20 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> | Indoor          |
| <b>Flame Test Listing</b>  | AS/NZS 1660.5.6 |

## General Specifications

|                                 |             |
|---------------------------------|-------------|
| <b>Cable Type</b>               | Series 11   |
| <b>Packaging Type</b>           | Reel        |
| <b>Shield Construction Type</b> | Quad shield |
| <b>Center Conductor Gauge</b>   | 14 AWG      |
| <b>Center Conductor Type</b>    | Solid       |
| <b>Jacket Color</b>             | Black       |
| <b>Jacket Marking</b>           | Meters      |
| <b>Warranty</b>                 | One year    |

## Electrical Performance

| Frequency | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|-----------|------------------------|-------------------------|
| 5 MHz     | 1.25                   | 0.38                    |
| 55 MHz    | 3.15                   | 0.96                    |
| 83 MHz    | 3.87                   | 1.18                    |
| 85 MHz    | 3.90                   | 1.19                    |
| 187 MHz   | 5.74                   | 1.75                    |
| 204 MHz   | 6.14                   | 1.87                    |
| 211 MHz   | 6.23                   | 1.90                    |
| 250 MHz   | 6.72                   | 2.05                    |
| 300 MHz   | 7.38                   | 2.25                    |
| 350 MHz   | 7.94                   | 2.42                    |
| 400 MHz   | 8.53                   | 2.60                    |
| 450 MHz   | 9.02                   | 2.75                    |
| 500 MHz   | 9.51                   | 2.90                    |
| 550 MHz   | 9.97                   | 3.04                    |
| 600 MHz   | 10.43                  | 3.18                    |
| 750 MHz   | 11.97                  | 3.65                    |
| 865 MHz   | 13.05                  | 3.98                    |
| 1000 MHz  | 14.27                  | 4.35                    |
| 1218 MHz  | 16.14                  | 4.92                    |
| 1300 MHz  | 16.44                  | 5.01                    |

|          |       |      |
|----------|-------|------|
| 1400 MHz | 17.13 | 5.22 |
| 1500 MHz | 17.79 | 5.42 |
| 1600 MHz | 18.44 | 5.62 |
| 1700 MHz | 19.08 | 5.81 |
| 1794 MHz | 19.66 | 5.99 |
| 1800 MHz | 19.70 | 6.00 |
| 2000 MHz | 20.89 | 6.37 |
| 2200 MHz | 22.05 | 6.72 |
| 2500 MHz | 23.70 | 7.22 |
| 2800 MHz | 25.28 | 7.71 |
| 3000 MHz | 26.30 | 8.02 |

\* 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

