75 Ohm XPRESSPREP® Coaxial Headend Cable, Series 59, white flame retardant PVC jacket

Product Classification

Product Type: Coaxial headend cable
Product Brand: XPRESSPREP®
Product Series: 59 Series
Warranty: One year

General Specifications

Cable Type: Series 59
Center Conductor Type: Solid
Conductors, quantity: 1
Jacket Color: White
Jacket Marking: Feet

Dimensions

Cable Length: 304.8 m | 1000 ft
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: 3.835 mm | 0.151 in
Diameter Over Jacket, nominal: 6.858 mm | 0.27 in
Jacket Thickness, nominal: 0.711 mm | 0.028 in
Center Conductor Gauge: 20 AWG
Inner Shield (Braid) Gauge: 34 AWG
Outer Shield (Braid) Gauge: 34 AWG

Electrical Specifications

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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, Loop, nominal
85.958 ohms/km  |  26.2 ohms/kft

### Nominal Velocity of Propagation (NVP)
85 %

### Shielding Effectiveness at Frequency Band, nominal
120 dB @ 5–1000 MHz

### Structural Return Loss
20 dB @ 5–1002 MHz

### Structural Return Loss, Grade A
=15 dB @ 1801–3000 MHz  |  =20 dB @ 5–1800 MHz

### Structural Return Loss Test Method
100% Swept Tested

## Attenuation

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Attenuation (dB/100 m)</th>
<th>Attenuation (dB/100 ft)</th>
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<td>2.82</td>
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<td>55.0</td>
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</table>
Material Specifications

**Center Conductor Material**
- Silver-plated copper-clad steel

**Dielectric Material**
- PE

**Jacket Material**
- Fire retardant PVC

**Inner Shield (Braid) Coverage**
- 95%

**Inner Shield (Braid) Material**
- Aluminum

**Inner Shield (Tape) Material**
- Aluminum/Polymer/Aluminum (APA) bonded

**Outer Shield (Braid) Coverage**
- 95%

**Outer Shield (Braid) Material**
- Aluminum

**Outer Shield (Tape) Material**
- Aluminum/Polymer/Aluminum (APA)

Environmental Specifications

**EN50575 CPR Cable EuroClass Fire Performance**
- Dca

**EN50575 CPR Cable EuroClass Smoke Rating**
- s2

**EN50575 CPR Cable EuroClass Droplets Rating**
- d0

**Environmental Space**
- Indoor

**Flame Test Listing**
- CATV | CM | EN 50399 | IEC 60332-1-2 | UL 1685

**Safety Standard**
- ETL

Packaging and Weights

**Weight, gross**
- 49.109 kg/km | 33 lb/kft

Regulatory Compliance/Certifications

**Agency**
- CENELEC
- ISO 9001:2015

**Classification**
- EN 50575 compliant, Declaration of Performance (DoP) available
- Designed, manufactured and/or distributed under this quality management system