75 Ohm XPRESSPREP® Coaxial Headend Cable, Series 59, aqua 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: Aqua
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

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 Test Method  
100% Swept Tested

Attenuation

<table>
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<tr>
<th>Frequency (MHz)</th>
<th>Attenuation (dB/100 m)</th>
<th>Attenuation (dB/100 ft)</th>
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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               Classification
CENELEC               EN 50575 compliant, Declaration of Performance (DoP) available
ISO 9001:2015         Designed, manufactured and/or distributed under this quality management system

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