75 Ohm XPRESSPREP® Coaxial Headend Cable, Series 59, black 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: Black
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, Grade A: =15 dB @ 1801–3000 MHz | =20 dB @ 5–1800 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
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CENELEC | EN 50575 compliant, Declaration of Performance (DoP) available
CHINA-ROHS | Below maximum concentration value
ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system
REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS | Compliant