

# 7437404 | F59 HEC VV XP BLK

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



## Product Classification

<b>Product Type</b>	Coaxial headend cable
<b>Product Brand</b>	XPRESSPREP®
<b>Product Series</b>	59 Series
<b>Warranty</b>	One year

## General Specifications

<b>Cable Type</b>	Series 59
<b>Center Conductor Type</b>	Solid
<b>Conductors, quantity</b>	1
<b>Jacket Color</b>	Black
<b>Jacket Marking</b>	Feet

## Dimensions

<b>Cable Length</b>	304.8 m   1000 ft
<b>Diameter Over Center Conductor, nominal</b>	0.813 mm   0.032 in
<b>Diameter Over Dielectric, nominal</b>	3.658 mm   0.144 in
<b>Diameter Over Inner Shield (Tape), nominal</b>	3.835 mm   0.151 in
<b>Diameter Over Jacket, nominal</b>	6.858 mm   0.27 in
<b>Jacket Thickness, nominal</b>	0.711 mm   0.028 in
<b>Center Conductor Gauge</b>	20 AWG
<b>Inner Shield (Braid) Gauge</b>	34 AWG
<b>Outer Shield (Braid) Gauge</b>	34 AWG

## Electrical Specifications

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<b>Characteristic Impedance</b>	75 ohm
<b>Characteristic Impedance Tolerance</b>	±3 ohm
<b>dc Resistance Note</b>	Nominal values based on a standard condition of 20 °C (68 °F)
<b>dc Resistance, Loop, nominal</b>	85.958 ohms/km   26.2 ohms/kft
<b>Nominal Velocity of Propagation (NVP)</b>	85 %
<b>Shielding Effectiveness at Frequency Band, nominal</b>	120 dB @ 5–1000 MHz
<b>Structural Return Loss</b>	20 dB @ 5–1002 MHz
<b>Structural Return Loss, Grade A</b>	≥15 dB @ 1801–3000 MHz   ≥20 dB @ 5–1800 MHz
<b>Structural Return Loss Test Method</b>	100% Swept Tested

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	2.82	0.86
55.0	6.73	2.05
83.0	8.04	2.45
187.0	11.81	3.6
211.0	12.47	3.8
250.0	13.45	4.1
300.0	14.6	4.45
350.0	15.75	4.8
400.0	16.73	5.1
450.0	17.72	5.4
500.0	18.7	5.7
550.0	19.52	5.95
600.0	20.34	6.2
750.0	22.87	6.97
865.0	24.67	7.52
1000.0	26.64	8.12
1200.0	29.29	8.93
1218.0	29.52	9
1300.0	30.55	9.31
1400.0	31.78	9.69
1500.0	32.96	10.05
1600.0	34.11	10.4
1700.0	35.23	10.74

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1794.0	35.77	10.9
1800.0	36.32	11.07

## Material Specifications

<b>Center Conductor Material</b>	Silver-plated copper-clad steel
<b>Dielectric Material</b>	PE
<b>Jacket Material</b>	Fire retardant PVC
<b>Inner Shield (Braid) Coverage</b>	95 %
<b>Inner Shield (Braid) Material</b>	Aluminum
<b>Inner Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA) bonded
<b>Outer Shield (Braid) Coverage</b>	95 %
<b>Outer Shield (Braid) Material</b>	Aluminum
<b>Outer Shield (Tape) Material</b>	Aluminum/Polymer/Aluminum (APA)

## Environmental Specifications

<b>EN50575 CPR Cable EuroClass Fire Performance</b>	Dca
<b>EN50575 CPR Cable EuroClass Smoke Rating</b>	s2
<b>EN50575 CPR Cable EuroClass Droplets Rating</b>	d0
<b>Environmental Space</b>	Indoor
<b>Flame Test Listing</b>	CATV   CM   EN 50399   IEC 60332-1-2   UL 1685
<b>Safety Standard</b>	ETL

## Packaging and Weights

<b>Weight, gross</b>	49.109 kg/km   33 lb/kft
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## Regulatory Compliance/Certifications

Agency	Classification
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant

