

7439504 | F59 HEC VV XP GRY

75 Ohm XPRESSPREP® Coaxial Headend Cable, Series 59, gray 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	Gray
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

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

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
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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

