Product Specifications

7438304 | F59 HEC VV XP ORG

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

Product Classification

Brand	XPRESSPREP®
Product Type	Coaxial headend cable
Product Series	59 Series

Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca | s2 | d0

Construction Materials

Outer Shield (Braid) Material	Aluminum
Center Conductor Material	Silver-plated copper-clad steel
Dielectric Material	PE
Inner Shield (Braid) Coverage	95 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Jacket Material	Fire retardant PVC
Outer Shield (Braid) Coverage	95 %
Outer Shield (Braid) Gauge	34 AWG
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)

Dimensions

Cable Length	305 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 | 0.270 in
Jacket Thickness, nominal	0.7112 mm | 0.0280 in
Shipping Weight	33.00 lb/kft

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	26.20 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

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Environmental Specifications

Environmental Space	Indoor
Flame Test Listing	CATV | CM | EN 50399 | IEC 60332-1-2 | UL 1685
Safety Standard	ETL

General Specifications

Cable Type	Series 59
Brand	XPRESSPREP®
Center Conductor Gauge	20 AWG
Center Conductor Type	Solid
Conductors, quantity	1
Jacket Color	Orange
Jacket Marking	Feet
Warranty	One year

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	2.82	0.86
55 MHz	6.73	2.05
83 MHz	8.04	2.45
187 MHz	11.81	3.60
211 MHz	12.47	3.80
250 MHz	13.45	4.10
300 MHz	14.60	4.45
350 MHz	15.75	4.80
400 MHz	16.73	5.10
450 MHz	17.72	5.40
500 MHz	18.70	5.70
550 MHz	19.52	5.95
600 MHz	20.34	6.20
750 MHz	22.87	6.97
865 MHz	24.67	7.52
1000 MHz	26.64	8.12
1200 MHz	29.29	8.93
1218 MHz	29.52	9.00
1300 MHz	30.55	9.31
1400 MHz	31.78	9.69
1500 MHz	32.96	10.05
1600 MHz	34.11	10.40
1700 MHz	35.23	10.74
1794 MHz	35.77	10.90
1800 MHz	36.32	11.07

** Attenuation listed represents maximum values at standard condition of 20 °C (68 °F)*

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system