Product Specifications



7451303 | F677TSVV XP WHT

75 Ohm XPRESSPREP® Coaxial Drop Cable, Series 6, white flame retardant PVC jacket

Construction Materials

Jacket Material	Fire retardant PVC
Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	77 %
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded

Dimensions

Diameter Over Center Conductor, nominal	1.016 mm | 0.040 in
Diameter Over Dielectric, nominal	4.572 mm | 0.180 in
Diameter Over Inner Shield (Tape), nominal	4.750 mm | 0.187 in
Diameter Over Jacket, nominal	7.061 mm | 0.278 in
Jacket Thickness, nominal	0.7620 mm | 0.0300 in
Shipping Weight	34.00 lb/kft

Electrical Specifications

dc Resistance, Inner Conductor, nominal	30.50 ohms/kft
dc Resistance, Outer Conductor, nominal	6.40 ohms/kft
dc Resistance, Loop, nominal	36.90 ohms/kft
dc Resistance Note	Nominal values based on a standard condition of 20 °C (68 °F)
Capacitance	53.1 pF/m | 16.2 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Nominal Velocity of Propagation (NVP)	85 %

Environmental Specifications

Environmental Space	Indoor
Flame Test Listing	CATV | CM | NEC Article 800 | NEC Article 820

General Specifications

Cable Type	Series 6
Packaging Type	Reel
Shield Construction Type	Trishield
Brand	HomeConnect® | XPRESSPREP®
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Jacket Color	White
Jacket Marking	Feet

©2017 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope.
All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: April 12, 2017

Product Specifications

7451303 | F677TSW XP WHT

Warranty	One year

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5 MHz	1.90	0.58
55 MHz	5.25	1.60
83 MHz	6.40	1.95
85 MHz	6.46	1.97
187 MHz	9.35	2.85
204 MHz	9.84	3.00
211 MHz	10.00	3.05
250 MHz	10.82	3.30
300 MHz	11.64	3.55
350 MHz	12.63	3.85
400 MHz	13.61	4.15
450 MHz	14.43	4.40
500 MHz	15.29	4.66
550 MHz	16.08	4.90
600 MHz	16.73	5.10
750 MHz	18.54	5.65
865 MHz	20.01	6.10
1000 MHz	21.49	6.55
1218 MHz	23.66	7.21

** 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

©2017 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope.
All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: April 12, 2017