



HomeConnect® F677TSVM XP PLUS "75 Ohm XPRESSPREP® Plus"

Product Classification

Brand	HomeConnect® XPRESSPREP®
Product Type	Coaxial drop cable
Product Series	6 Series

Construction Materials

Jacket Material	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
Messenger Wire Material	Zinc-coated steel
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
Diameter Over Messenger Wire, nominal	1.295 mm 0.051 in
Jacket Thickness, nominal	0.7620 mm 0.0300 in
Shipping Weight	43.00 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 Aerial

General Specifications

Cable Type Series 6
Packaging Type Reel
Shield Construction Type Advanced LTE shielding | Trishield
Center Conductor Gauge 18 AWG
Center Conductor Type Solid
Jacket Color Black
Jacket Marking Feet
Messenger Wire Type Solid
Warranty One year

Mechanical Specifications

Messenger Wire Breaking Strength, minimum 82 kg | 180 lb

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
1300 MHz	24.71	7.53
1400 MHz	25.71	7.84
1500 MHz	26.68	8.13
1600 MHz	27.63	8.42
1700 MHz	28.54	8.70
1794 MHz	29.39	8.96
1800 MHz	29.44	8.97

2000 MHz	31.17	9.50
2200 MHz	32.83	10.01
2500 MHz	35.20	10.73
2800 MHz	37.46	11.42
3000 MHz	38.91	11.86

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

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

