4110273/24 | 2312V WTRL 1/2" PLEN TRUNK 2400

PIII® 500 JCAP 1/2" Plenum Trunk and Distribution Coaxial Cable, white jacket, 2400 ft (732 m) reel

Product Classification

Product Type	Coaxial hardline cable
Product Brand	P3®
Warranty	One year

General Specifications

Product Number	2312V
Cable Type	Trunk
Center Conductor Type	Solid
Construction Type	Swaged
Jacket Color	White

Dimensions

Cable Length	731.52 m	2400 ft
Diameter Over Dielectric	11.481 mm	0.452 in
Diameter Over Jacket, nominal	13.614 mm	0.536 in
Diameter Over Shield (Braid)	12.7 mm	0.5 in
Jacket Thickness	0.457 mm	0.018 in

Electrical Specifications

Capacitance	52.493 pF/m	16 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±2 ohm
Conductor dc Resistance	4.659 ohms/km	1.42 ohms/kft
Dielectric Strength, conductor to shield	6500 Vdc
Jacket Spark Test Voltage	1000 Vac
Nominal Velocity of Propagation (NVP)	84 %
Structural Return Loss	20 dB @ 450–1218 MHz	24 dB @ 5–450 MHz

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Structural Return Loss Test Method	100% Swept Tested

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
5.0	0.56	0.17
10.0	0.75	0.23
50.0	1.84	0.56
100.0	2.72	0.83
200.0	4.1	1.25
400.0	6.46	1.97
700.0	9.58	2.92
900.0	11.38	3.47
1000.0	12.4	3.78
1450.0	16.07	4.9
1800.0	18.76	5.72
2200.0	21.71	6.62
3000.0	27.32	8.33

Material Specifications

Center Conductor Material	Copper-clad aluminum wire
Dielectric Material	Foam FEP
Jacket Material	PVC
Shield (Tape) Material	Swaged aluminum tube

Mechanical Specifications

Minimum Bend Radius, loaded, times	20 times
Minimum Bend Radius, unloaded, times	16 times
Pulling Tension, maximum	136.078 kg	300 lb

Environmental Specifications

Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Environmental Space	Plenum
Temperature Rating, UL	75 °C	167 °F
Flame Test Method	CMP

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Safety Standard   ETL | cETL

Packaging and Weights

Cable weight   197.926 kg/km | 133 lb/kft

Packaging Type   Reel

Regulatory Compliance/Certifications

Agency	**Classification**
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

ISO
9001:2015

* Footnotes

Warranty   For more information, please consult our Product Warranty guidelines

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