

True connect 1/2" Plenum Cable



MODEL # 12/GYP



FEATURES

- In-Building Systems (DAS)
- Cabling for VHF, UHF, 700, 850, PCS, & AWS Bands
- RF Cable Jumper Assemblies where low PIM is required

Construction Materials and Dimensions

	Material	Copper Clad Aluminum Wire
Inner Conductor	Diameter, in.	0.189
	Material	PE Spline
Dielectric	Diameter, in.	0.465
	Material	Ring Corrugated Copper
Outer Conductor	Diameter, in.	0.543
	Material	PVC, Plenum Rated
Jacket	Diameter, in.	0.629

Electrical Specifications

Inner conductor DC resistance, Ω /kft	0.486
Outer conductor DC resistance, Ω /kft	0.689
Impedance, Ω	50 \pm 2
Inductance, μ H/ft	0.058
Capacitance, pF/ft	23
Propagation velocity, %	88
DC breakdown voltage, kV	6.0
Insulation resistance, M Ω /km	>5X10 ³
Peak Power, kW	40
Screening attenuation, dB	>>120
Cut-off frequency, GHz	8.80

Mechanical Specifications

Bending radius, in.	Single	2.76
	Repeated	4.92
Tensile strength, lbs.		254
Crush resistance, lb/in.		80
Bending moment, ft lb.		11.4
Storage Temperature, °F		-94 \approx +185
Installation Temperature, °F		-40 \approx +140
Operating Temperature, °F		-67 \approx +185

Attenuation

Frequency	dB/100 ft	dB/100 m
10	0.21	0.67
100	0.67	2.19
200	0.96	3.15
450	1.48	4.85
800	2.03	6.65
900	2.15	7.07
1000	2.30	7.53
1500	2.88	9.46
1800	3.20	10.50
2000	3.40	11.16
2300	3.69	12.11
3000	4.36	14.16
6000	6.58	21.58

VSWR

806-960 MHz	\leq 1.15
1700-2400 MHz	\leq 1.15
5-3000 MHz	\leq 1.25