

TRUE CONNECT 1/2" SUPERFLEXIBLE PLENUM CABLE

MODEL # 12/SF/WP



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		
Inner Conductor	Material	Copper Clad Aluminum Wire
	Diameter, in. (mm)	0.1417 (3.60)
Dielectric	Material	PE Spline
	Diameter, in. (mm)	0.3543 (9.00)
Outer Conductor	Material	Helical Corrugated Copper
	Diameter, in. (mm)	0.4803 (12.20)
Jacket	Material	White PVC
	Diameter, in. (mm)	0.5472 (13.90)

Electrical Specifications	
Inner conductor DC resistance, Ω /kft	3.0
Outer conductor DC resistance, Ω /kft	2.0
Impedance, Ω	50 \pm 2
Inductance, μ H/m	0.2
Capacitance, pF/m	75.5
Propogations velocity, %	81
DC breakdown voltage, kV	1.6
Insulation resistance, M Ω -km	>5X10 ³
Peak Power, kW	6
Screening attenuation, dB	>>120
Cut-off frequency, GHz	20.00

Mechanical Specifications		
Bending radius, in. (mm)	Single	0.98 (25)
	Repeated	1.1800 (30)
Tensile strength, lbs.		152.87
Crush resistance, lb/in.		100
Bending moment, ft lb.		0.8
Storage Temperature, °F		-4~+176
Installation Temperature, °F		-23~+140
Operating Temperature, °F		-4~+176

Attenuation		
Frequency	dB/100 ft	dB/100 m
100	1.02	3.36
450	2.31	7.57
750	3.07	9.40
850	3.29	10.47
900	3.40	11.15
1000	3.63	11.90
1800	5.12	16.81
2000	5.46	17.91
2200	5.76	18.80
2400	6.05	20.90
2500	6.30	21.40
2600	6.50	21.70
2700	6.60	21.90

VSWR	
806-960 MHz	\leq 1.15
1700-2400 MHz	\leq 1.15
2500-3000 MHz	\leq 1.25

Fire Retardant Properties
Meets UL 444, CATV/CMP, NFPA-262