

TRUE CONNECT 1/4" SUPERFLEXIBLE CABLE



MODEL # 14/SF



Applications include:

- 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.	0.075
Dielectric	Material	Physically foamed PE
	Diameter, in.	0.185
Outer Conductor	Material	Helical Corrugated Copper
	Diameter, in.	0.250
Jacket	Material	PE
	Diameter, in.	0.290

Attenuation		
Frequency	dB/100 ft	dB/100 m
10	0.56	1.83
100	1.80	5.89
200	2.56	8.40
450	3.90	12.80
800	5.30	17.40
900	5.61	18.40
1000	5.97	19.60
1500	7.09	23.26
1800	8.20	26.90
2000	8.69	28.50
2300	9.36	30.72
3000	10.85	35.60
6000	16.08	52.75

Electrical Specifications	
Inner conductor DC resistance, Ω/kft	3.0
Outer conductor DC resistance, Ω/kft	2.0
Impedance, Ω	50 ±2
Inductance, μH/ft	0.2
Capacitance, pF/ft	24.2
Propogations velocity, %	84
DC breakdown voltage, kV	1.6
Insulation resistance, MΩ/km	>5X10 ³
Peak Power, kW	6.4
Screening attenuation, dB	>>120
Cut-off frequency, GHz	20.40

VSWR	
806-960 MHz	≤1.15
1700-2400 MHz	≤1.15
5-3000 MHz	≤1.25

Mechanical Specifications		
Bending radius, in.	Single	0.78
	Repeated	1.00
Tensile strength, lbs.		150
Crush resistance, lb/in.		100
Bending moment, ft lb.		0.8
Storage Temperature, °F		-94≈+185
Installation Temperature, °F		-40≈+140
Operating Temperature, °F		-67≈+185

Regulatory Certifications/Compliance	
RoHS	Compliant
UL/ETL	Compliant