

True connect 7/8" OUTDOOR cable

MODEL # 78



wireless supply
HIGHER STANDARDS. SUPERIOR QUALITY.

FEATURES

- In-Building Systems (DAS)
- Cabling for VHF, UHF, 700, 850, PCS, & AWS Bands
- Long runs where cable loss is critical

Construction Materials and Dimensions		
Inner Conductor	Material	Copper Tube
	Diameter, in.	0.346
Dielectric	Material	Physically Foamed PE
	Diameter, in.	0.886
Outer Conductor	Material	Helical Corrugated Copper
	Diameter, in.	0.980
Jacket	Material	PE
	Diameter, in.	1.075

Electrical Specifications	
Inner conductor DC resistance, Ω /kft	0.250
Outer conductor DC resistance, Ω /kft	0.200
Impedance, Ω	50 $\pm$ 2
Inductance, μ H/ft	0.056
Capacitance, pF/ft	22.2
Propagation velocity, %	88
DC breakdown voltage, kV	6.0
Insulation resistance, $M\Omega \cdot km$	$>5 \times 10^3$
Peak Power, kW	91
Screening attenuation, dB	>120
Cut-off frequency, GHz	5.50

Mechanical Specifications		
Bending radius, in.	Single	4.72
	Repeated	9.84
Tensile strength, N		3600
Crush resistance, lb/in.		78.4
Bending moment, ft lb.		20.0
Storage Temperature, $^{\circ}$ F		-94 $\approx$ +185
Installation Temperature, $^{\circ}$ F		-40 $\approx$ +140
Operating Temperature, $^{\circ}$ F		-67 $\approx$ +185

Attenuation		
Frequency	dB/100 ft	dB/100 m
10	0.11	0.366
100	0.36	1.19
200	0.53	1.75
450	0.81	2.65
800	1.11	3.63
900	1.18	3.88
1000	1.26	4.12
1500	1.61	4.91
1800	1.75	5.75
2000	1.86	6.11
2300	2.03	6.50
3000	2.37	7.76
5000	2.99	9.80

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

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