

Trueconnect 3/8" SUPERFLEXIBLE CABLE



MODEL # 38/SF



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	
Inner Conductor	Copper Clad Aluminum Wire	
	Diameter, in.	0.110
Dielectric	Physically foamed PE	
	Diameter, in.	0.276
Outer Conductor	Helical Corrugated Copper	
	Diameter, in.	0.375
Jacket	PE	
	Diameter, in.	0.425

Electrical Specifications

Inner conductor DC resistance, Ω /kft	1.290
Outer conductor DC resistance, Ω /kft	1.520
Impedance, Ω	50 \pm 2
Inductance, μ H/ft	0.061
Capacitance, pF/ft	24.3
Propogations velocity, %	81
DC breakdown voltage, kV	2.5
Insulation resistance, M Ω km	>5X10 ³
Peak Power, kW	13.2
Screening attenuation, dB	>> 120
Cut-off frequency, GHz	10.20

Mechanical Specifications

Bending radius, in.	Single	1.00
	Repeated	2.00
Tensile strength, lbs.		210
Crush resistance, lb/in.		100
Bending moment, ft lb.		1.7
Storage Temperature, °F		-94 \approx +185
Installation Temperature, °F		-40 \approx +140
Operating Temperature, °F		-67 \approx +185

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Attenuation		
Frequency	dB/100 ft	dB/100 m
10	0.37	1.22
100	1.20	3.94
200	1.72	5.65
450	2.64	8.66
800	3.60	11.80
900	3.81	12.50
1000	4.05	13.30
1500	5.08	16.68
1800	5.64	18.50
2000	5.97	19.60
2300	6.30	20.68
3000	7.53	24.70
6000	11.32	37.15



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

Available Connectors	
Connector Type	Connector Part Number
NM	38S-NM
NF	38S-NF
7/16 DIN M	38S-DM
7/16 DIN F	38S-DF
4.1/9.5 Male	38S-41M
4.1/9.5 Female	38S-41F
4.3/10 Male	38S-43M
4.3/10 Female	38S-43F



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