3/8" Plenum Rated Coaxial Cable

CS-F38PA/CS-F38PB

CS-F38PA500/ CS-F38PB500

Super-Flexible Coaxial Cable, White Plenum Rated Jacket

Electrical Specifications

Product Model	CS-F38PA500 / CS-F38PB500	CS-F38PA / CS-F38PB	CS-F38P
Size	500 ft/spool	1,000 ft/spool	1,000 ft/spool
Spool size	19.3"x19.3"x15.7"	22.0" x 22.0"x15.7"	22.0"x22.0"x15.7"
Ordering	CS-F38PA500 for label A CS-F38PB500 for label B	CS-F38PA for label A CS-F38PB for label B	CS-F38P will ship either CS-F38PA or CS-F38PB
Frequency (MHz)		DC-6000	
Impedance (ohm)		50.0 ± 1.0	
Capacitance		79.7 (pF/m), 24.3 (pF/ft)	
Inductance		0.20(μH/m), 0.061 (μH/ft)	
Propagation Velocity (%)		81	
DC Breakdown Voltage (KV)		2.3	
Insulation Resistance (MΩ)		> 5,000	
Peak Power Rating (kW)		13.2	
Cut-off Frequency (GHz)		13.4	
VSWR. typical			
555-2200MHz		1.08	
2300-2700MHz		1.10	
3300-4200MHz		1.18	
4400-6000MHz		1.25	

Mechanical Specifications

Diameter Over Inner Conductor (in/mm)	0.128 / 3.26
Diameter Over Insulation (in/mm)	0.323 / 8.20
Diameter Over Outer Conductor (in/mm)	0.394 / 10.0
Diameter Over Jacket (in/mm)	0.445 / 11.3
Minimum Bending Radius-Single (in/mm)	0.984 / 25.0
Minimum Bending Radius-Multiple (in/mm)	1.969 / 50.0
Shipping Dimension (in/mm)	22.0x22.0x 15.7 / 560x560x400 @1,000 ft 19.3x19.3x15.7 / 490x490x400 @500 ft
Shipping Weight(lb./kg)	125 / 56.7 @ 1,000 ft, 71 / 32.0 @500 ft

Material

Inner Conductor	Copper Clad Aluminum Wire
Insulation	PE Spline
Outer Conductor	Helical Corrugated Copper
Jacket	White Plenum Rated Jacket
Hanger Block	HB-F38D for dual cable
Prep Tool	AP-F38 for N-type and 4.3-10
Associated Connectors	N-Male; CN-NM-F38 N-Female; CN-NF-F38 4.3-10-Male; CN-4M-F38 4.3-10-Female; CN-4F-F38

Environment

Application	Indoor / Outdoor
Storage Temperature	-20°C to +80°C
Operating Temperature	-20°C to +80°C
Installation Temperature	-5°C to +60°C

Compliance & Certification

Certification	Plenum Rated. CMP ETL UL-444/CSA C22.2NO214
RoHS	Compliant

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)	Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)
50	3.97	1.21	2100	22.36	6.81
100	4.67	1.42	2200	22.93	6.99
150	5.35	1.63	2300	23.48	7.16
173	5.66	1.73	2400	24.02	7.32
300	7.30	2.22	2500	24.55	7.48
340	7.79	2.38	2600	25.07	7.64
400	8.51	2.59	2700	25.59	7.80
450	9.10	2.77	2800	26.09	7.95
500	9.67	2.95	3000	27.09	8.26
617	10.94	3.34	3200	28.06	8.55
698	11.78	3.59	3300	28.55	8.70
800	12.79	3.90	3400	29.03	8.85
894	13.68	4.17	3550	29.75	9.07
960	14.28	4.35	3600	29.98	9.14
1000	14.63	4.46	3700	30.46	9.28
1200	16.31	4.97	3800	30.93	9.43
1400	17.84	5.44	3900	31.40	9.57
1500	18.56	5.66	4000	31.87	9.71
1698	19.90	6.06	4100	32.33	9.86
1800	20.55	6.26	4200	32.80	10.00
1900	21.17	6.45	5000	36.29	11.06
2000	21.77	6.64	6000	39.41	12.01

Note: Typical attenuation at an ambient temperature +20°C (68°F)

Comba Telecom Inc. 568 Gibraltar Drive, Milpitas, CA 95035. http://www.combausa.com/
Tel: +1 866 802 7961, combausa@comba-telecom.com, Fax: +1 408 526 0181