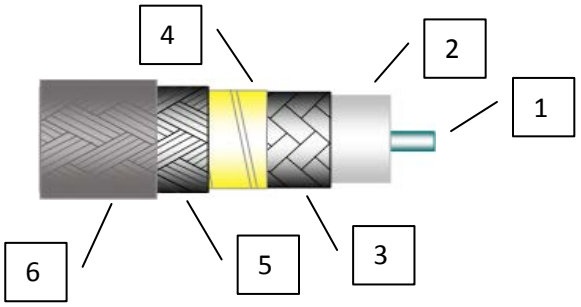
Specification Control Drawing (SCD)

DWG. NO. **DF126** | Rev CB

Application Notes

Recommended for applications that require a balanced combination of robust mechanical and electrical performance. Considered our best overall design, the triple shield construction of this series provides reliable mechanical strength and low loss, broadband electrical performance. Avoid applications with continuous flexures exceeding 10,000 bend cycles, use DynaFlex® DF400 series for higher flex applications.



Physical Properties

Operating Temp. (deg C)	-45 / +125
Jacket O.D. (in)	0.205 ± .005
Round Braid O.D. (in)	0.188
Helical Foil O.D. (in)	0.168
Flat Braid O.D. (in)	0.162
Dielectric O.D. (in)	0.150
Center Conductor (in)	0.051
Inside Min. Bend Radius (in)	0.6”
Weight (lbs/ft)	0.049 Max

Construction in accordance with MIL-DTL-17

1	Center Conductor	Silver Plated Copper Per ASTM B298
2	Dielectric	Semisolid PTFE, Type F, per ASTM D4894 & D4895
3	First Shield	Silver Plated Copper per ASTM B298
4	Secondary Shield	High Temp, Aluminum Polyimide Foil
5	Third Shield	Silver Plated Copper per ASTM B298
6	Jacket (Gray)	Type X per ASTM D3159, ETFE
	Marking @ 12 inch intervals **(Black Ink)**	**DynaFlex® DF126 (Lot #) yyww**

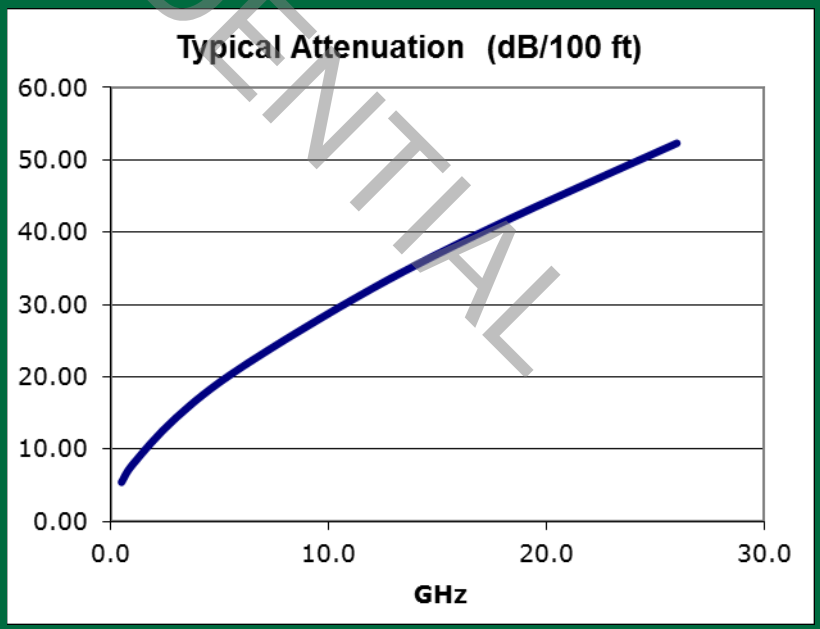
Nominal Electrical Properties

Impedance (ohms)	50
Velocity of Propagation (%)	78
Shielding Effectiveness (dB)	90
Capacitance (pF/ft)	26
Max Operating Freq. (GHz)	26.0

Attenuation (dB/100ft) @ 25 °C and Sea Level

Freq. (GHz)	Typical	Max	
0.5	5.42	5.96	
1.0	7.84	8.62	
3.0	14.33	15.76	
6.0	21.30	23.42	
12.0	32.20	35.42	
18.0	41.39	45.53	
26.0	52.32	54.55	
K1	7.25	7.97	
K2	0.59	0.65	

Packaging: 100 ft. Minimum Continuous Lengths, 1 Length Per Reel, 14” Plastic Reels.



SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE

REV	DCN NO.	DATE	APP.
AA	12-1883	10/2/12	SH
BA	14-2091	9/2/14	SH
BB	14-2315	10/15/14	SH
CA	15-1067	1/16/15	SH
CB	15-1772	6/2/15	SH

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DRAWN TA DATE 10/2/12

APPROVED SH DATE 10/2/12

CODE IDENT. 6DZL5

Page 1

0.205”, 78%, ETFE GRY
.051, BRD, FOIL, BRD

DWG. NO. DF126