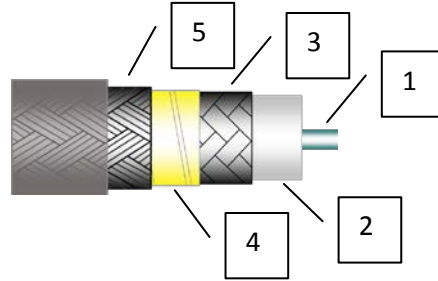


**Application Notes**

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.

*This document contains proprietary and confidential information.*



**Physical Properties**

**Construction in accordance with MIL-DTL-17**

Operating Temp. (deg C)	-45 / +125	1	Center Conductor	Silver Plated Copper Per ASTM B298
Jacket O.D. (in)	0.300 ± .005	2	Dielectric	Expanded PTFE, Type F, per ASTM D4894 & D4895
Round Braid O.D. (in)	0.266	3	First Shield	Silver Plated Copper per ASTM B298
Helical Foil O.D. (in)	0.246	4	Secondary Shield	High Temp, Aluminum Polyamide Foil
Flat Braid O.D. (in)	0.242	5	Third Shield	Silver Plated Copper per ASTM B298
Dielectric O.D. (in)	0.230		Jacket (Gray)	Flouroplastic, Type IX per ASTM D2116 or Type X per ASTM D3159
Center Conductor (in)	0.078		Marking @ 12 Inch Intervals (Black Ink)	DynaFlex® DF118 (Lot # ) yyww
Inside Min. Bend Radius (in)	1.5"			
Weight (lbs/ft)	0.096			

**Nominal Electrical Properties**

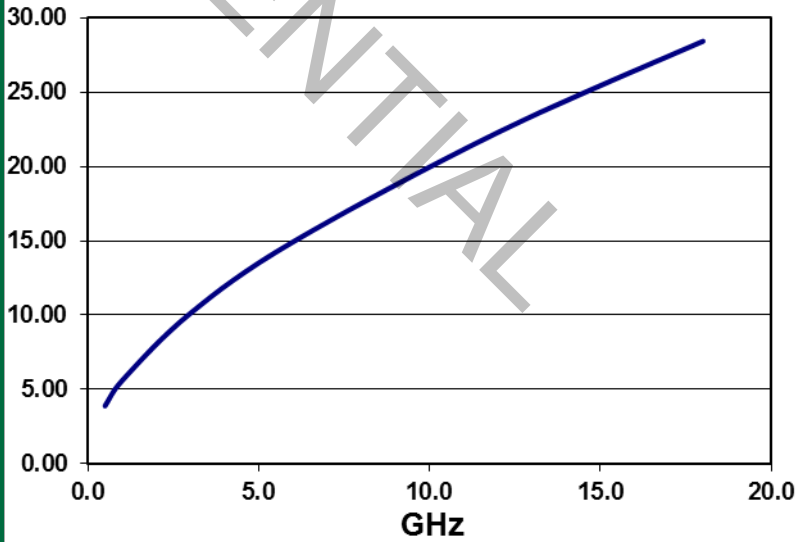
Packaging: 100 ft. Minimum Continuous Lengths, 1 Length Per Reel, 14" Plastic Reels.

Impedance (ohms)	50
Velocity of Propagation (%)	78
Shielding Effectiveness (dB)	90
Capacitance (pF/ft)	26
Max Operating Freq. (GHz)	18.0

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

Freq. (GHz)	Typical	Max
0.5	3.89	4.28
1.0	5.60	6.16
3.0	10.13	11.14
6.0	14.92	16.41
12.0	22.30	24.53
18.0	28.44	31.28
K1	5.26	5.79
K2	0.34	0.37

**Typical Attenuation dB/100ft**



**SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE**

REV	DCN NO.	DATE	APP.	135 WARD HILL, MA 01835 978 469-9448 WWW.DYNAWAVECABLE.COM	
AB	13-2502	11/4/13	SH	DRAWN TA      DATE 7/14/11	0.300", 78%, ETFE GRY .078" BRD, FOIL, BRD
AC	14-1280	3/19/14	SH		
BA	15-1042	1/12/15	SH	APPROVED SH      DATE 7/14/11	
BB	15-1091	1/20/15	SH		
BC	15-2093	8/11/15	SH	CODE IDENT.      Page 1 of 7	
CA	16-1831	7/12/16	SH	6DZL5	DWG. NO.      DF118