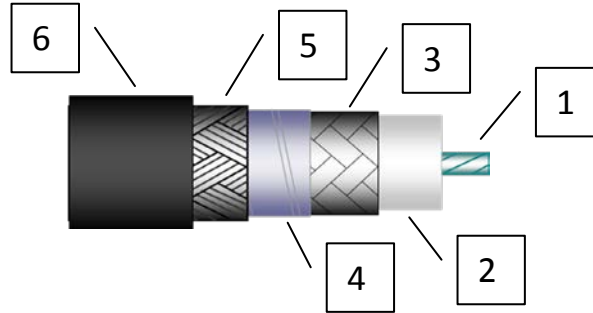


**Application Notes**

Recommended for applications where flexibility and flex life are the primary performance requirement. The design of this cable is optimized for extended flex life with some compromise in attenuation performance. For applications with limited flexure requirements, consider DynaFlex® DF100 or DF200 series cables for improved attenuation performance.



**Physical Properties**

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

Operating Temp. (deg C)	-45 / +85	1	Center Conductor	Silver Plated Copper Per ASTM B298
Jacket O.D. (in)	0.230 ± .005	2	Dielectric	Semisolid PTFE, Type F, per ASTM D4894 or D4895
Round Braid O.D. (in)	0.184	3	First Shield	Silver Plated Copper per ASTM B298
Helical Foil O.D. (in)	0.164	4	Secondary Shield	Conductive Tape (proprietary)
Flat Braid O.D. (in)	0.149	5	Third Shield	Silver Plated Copper per ASTM B298
Dielectric O.D. (in)	0.137	6	Jacket (Black)	Type XII, Polyurethane
Center Conductor (in)	0.048	<b>No Marking</b>		No Marking
Inside Min. Bend Radius (in)	1.18"			
Weight (lbs/ft)	0.048 Max			

**Nominal Electrical Properties**

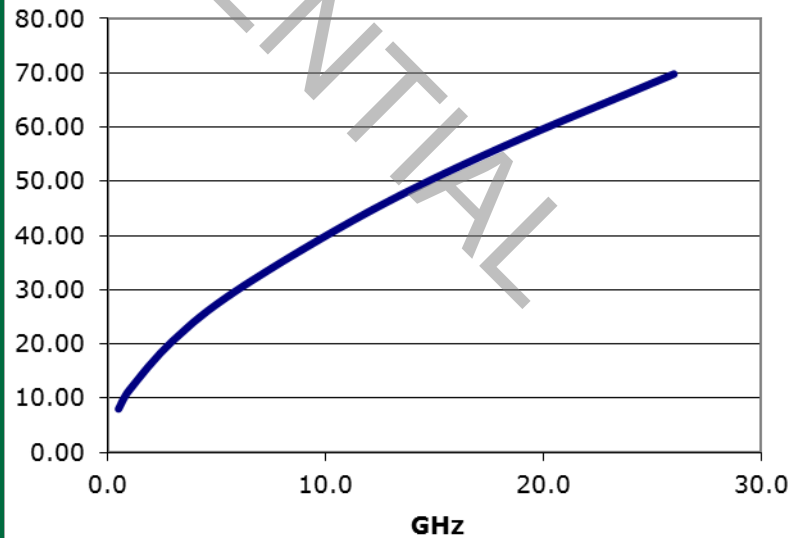
Packaging: 100 ft. Minimum Continuous Lengths, 1 Length Per Reel, 14" Plastic Reels.

Impedance (ohms)	50
Velocity of Propagation (%)	78
Shielding Effectiveness (dB)	90
Capacitance (pF/ft)	27
Max Operating Freq. (GHz)	26

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

Freq. (GHz)	Typical	Max
0.5	8.03	8.83
1.0	11.51	12.66
3.0	20.61	22.66
6.0	30.08	33.07
12.0	44.40	48.81
18.0	56.12	61.69
26.0	69.77	76.68
K1	10.98	12.08
K2	0.53	0.58

**Typical Attenuation (dB/100 ft)**



**SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE**

REV	DCN NO.	DATE	APP.	135 WARD HILL, MA 01835 978 469-9448 WWW.DYNAWAVECABLE.COM	
AA	12-1934	10/11/12	SH	DRAWN TA	0.230", 78%, POLY BLK .048", BRD, TAPE, BRD
AB	13-1380	3/15/13	SH	DATE 10/10/12	
AC	14-2108	9/4/14	SH	APPROVED SH	DATE 10/10/12
BA	15-1368	3/19/15	SH	CODE IDENT.	Page 1 DWG. NO. DF426W
BB	15-1883	6/17/15	SH	6DZL5	
CA	15-2268	9/8/15	SH		