Specification Control Drawing (SCD)

This document contains proprietary and confidential information. **Application Notes** 3 5 Recommended for applications where 1 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® 2 DF100 or DF200 series cables for 4 6 improved attenuation performance. **Physical Properties** Construction in accordance with MIL-DTL-17 1 Center Conductor Silver Plated Copper Per ASTM B298 Operating Temp. (deg C) -45 / +125 Semisolid PTFE, Type F, per ASTM D4894 or 2 Dielectric D4895 Jacket O.D. (in) $0.200 \pm .005$ 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 Center Conductor (in) 0.048 Flouroplastic, Type IX per ASTM D2116 or Jacket 6 Inside Min. Bend Radius (in) (Gray) Type X per ASTM D3159 1.18 Marking @ 12 inch intervals DynaFlex® DF426 (Lot #) yyww (Black Ink) Weight (lbs/ft) 0.050 Max Packaging: 100 ft. Minimum Continuous Lengths, 1 Length Per Reel, 14" Plastic Reels. **Nominal Electrical Properties** Impedance (ohms) 50 Velocity of Propagation (%) 78 Shielding Effectiveness (dB) 90 Typical Attenuation (dB/100 ft) Capacitance (pF/ft) 27 80.00 Max Operating Freq. (GHz) 26 70.00 Attenuation (dB/100ft) @ 25 °C and Sea Level 60.00 Freq. (GHz) Typical Max 50.00 8.03 8.83 0.5 1.0 11.51 12.66 40.00 3.0 20.61 22.66 6.0 30.08 33.07 30.00 12.0 44.40 48.81 18.0 56.12 61.69 20.00 26.0 69.77 76.68 10.00 0.00 0.0 10.0 20.0 30.0 GHz K1 10.98 12.08 K2 0.53 0.58

SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE

Rev	DCN NO.	Date	APP.	135 WARD HILL, MA 01835 978-469-9448 WWW.DYNAWAVECABLE.COM		dYr	nawave
AA	12-1932	10/11/12	SH		DATE 10/0/12		
AB	13-1379	3/15/13	SH	DRAWNIA	DATE 10/9/12	0.200" 78% ETEE GRAV	
BA	15-1359	3/10/15	SH			0.200	, 70%, ETTE GRAT
BB	15-1882	6/17/15	SH	APPROVED SH	DATE 10/9/12	0.048" BRD, TAPE, BRD	
				CODE IDENT.	Page 1	DWG. NO.	DF426
				6DZL5			