

Specification Control Drawing (SCD)

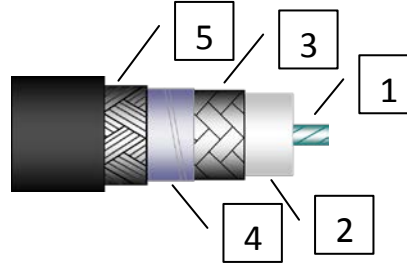
DWG. NO. DF418W

Rev BA

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.

This document contains proprietary and confidential information.



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)	0.335 ± .006	2	Dielectric	Expanded PTFE, Type F, per ASTM D4894 & D4895
Round Braid O.D. (in)	0.289	3	First Shield	Silver Plated Copper per ASTM B298
Helical Foil O.D. (in)	0.269	4	Secondary Shield	Conductive Tape (proprietary)
Flat Braid O.D. (in)	0.249	5	Third Shield	Silver Plated Copper per ASTM B298
Dielectric O.D. (in)	0.237		Jacket (Black Poly)	Type XII, Polyurethane
Center Conductor (in)	0.084			
Inside Min. Bend Radius (in)	1.55			
Weight (lbs/ft)	0.112			

Nominal Electrical Properties

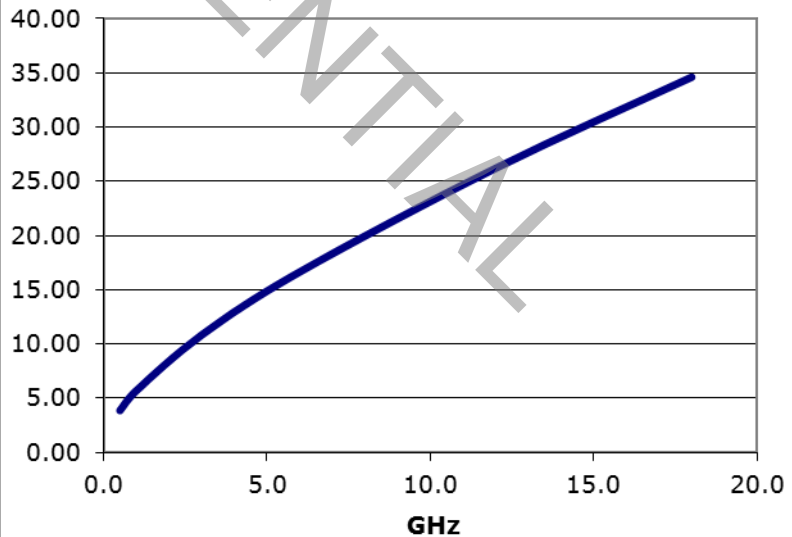
Packaging: 100 ft. Minimum Continuous Lengths, 1 Length Per Reel, 24" Plastic Reels.

Impedance (ohms)	50
Velocity of Propagation (%)	78
Shielding Effectiveness (dB)	90
Capacitance (pF/ft)	27
Max Operating Freq. (GHz)	18.0

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

Freq. (GHz)	Typical	Max
0.5	3.87	4.26
1.0	5.69	6.26
3.0	10.82	11.90
6.0	16.64	18.30
12.0	26.20	28.82
18.0	34.60	37.06
K1	4.93	5.42
K2	0.76	0.84

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		
01	13-2359	10/8/13	SH	DRAWN TA	0.335", 78%, POLY, BLK .084" BRD, TAPE, BRD	
AA	14-1966	8/11/14	SH	DATE 10/3/13		
BA	15-2382	10/5/15	SH	APPROVED SH		DATE 10/8/13
				CODE IDENT. 6DZL5	Page 1	DWG. NO. DF418W