

Specification Control Drawing (SCD)

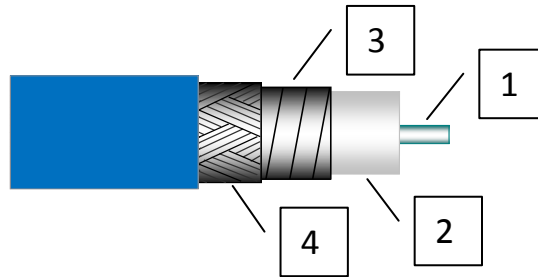
DWG. NO. DX086

Rev HA

Application Notes

Recommended for replacement of pre-formed semi-rigid cable assemblies and not for non-static applications. Eliminates the need for 3D assembly drawings and can be terminated with standard semi-rigid connectors. Offers lower attenuation than similar sized RG cables. Designed for single installation, non-flexure applications, use DynaFlex® cable where repeated mating and flexure may be required.

This document contains proprietary and confidential information.



Physical Properties

Construction in accordance with MIL-DTL-17

Operating Temp. (deg C)	-65 / +125	1	Center Conductor	Solid, Silver Plated Copper Clad Steel Conductor, Per ASTM B298
Jacket O.D. (in)	0.096 ± .004	2	Dielectric	Solid PTFE, Type F, per ASTM D4894 or D4895
Round Braid O.D. (in)	0.084	3	First Shield	Silver Plated Copper per ASTM B298
Helical Foil O.D. (in)	0.072	4	Secondary Shield	Silver Plated Copper per ASTM B298
Dielectric O.D. (in)	0.063		Jacket (Blue)	Flouroplastic, Type IX per ASTM D2116 or Type X per ASTM D3159
Solid Center Conductor (in)	0.020		Marking @ 12 inch intervals (Black Ink)	" D-Flex® DX086 (Lot #) YYWW "
Inside Min. Bend Radius (in)	0.15"			
Weight (lbs/ft)	0.013 Max			

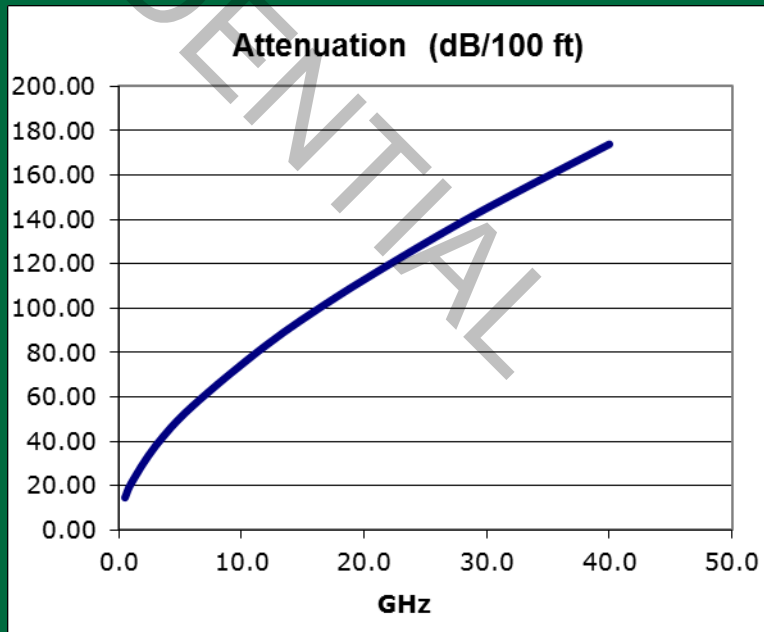
Nominal Electrical Properties

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

Impedance (ohms)	50
Velocity of Propagation (%)	70
Shielding Effectiveness (dB)	100
Capacitance (pF/ft)	32.0
Max Operating Freq. (GHz)	40

Nominal Attenuation @ 25 °C and Sea Level

Freq. (GHz)	dB/100 ft
0.5	14.64
1.0	21.06
3.0	38.01
6.0	55.88
12.0	83.28
18.0	106.00
26.0	132.68
32.0	151.01
40.0	173.94
K1	19.85
K2	1.21



SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE

REV	DCN NO.	DATE	APP.	135 WARD HILL, MA 01835 978 469-9448 WWW.DYNAWAVECABLE.COM	
CA	14-1929	8/1/14	SH	DRAWN TA DATE 8/16/12	0.096", 70 %, FEP, BLU 0.0201", Foil, BRD
DA	14-2338	10/28/14	SH		
EA	15-2181	8/21/15	SH	APPROVED SH DATE 8/16/12	
FA	16-1490	4/18/16	SH		
GA	16-1784	6/24/16	SH	CODE IDENT. Page 1	
HA	18-2209	10/30/18	TA	6DZL5	DWG. NO. DX086