

Specification Control Drawing (SCD)

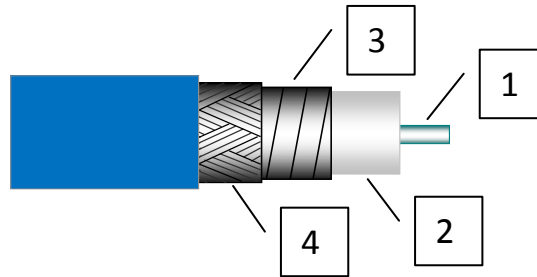
DWG. NO. DX141

Rev FA

Application Notes

Recommended for replacement of preformed semi-rigid cables assemblies. 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	Silver Plated Copper Clad Steel Conductor Per ASTM B298
Jacket O.D. (in)	0.160 ± .005	2	Dielectric	Solid PTFE, Type F-1, per ASTM D4894 or D4895
Round Braid O.D. (in)	0.141	3	First Shield	Silver Plated Copper per ASTM B298
Helical Foil O.D. (in)	0.125	4	Secondary Shield	Silver Plated Copper per ASTM B298
Dielectric O.D. (in)	0.118			
Solid Center Conductor (in)	0.036		Jacket (Blue)	Flouroplastic, Type IX per ASTM D2116 or Type X per ASTM D3159
Inside Min. Bend Radius (in)	0.25"		Marking @ 12 inch intervals (Black Ink)	D-Flex® DX141 (Lot #) yyww
Weight (lbs/ft)	0.032 Max			

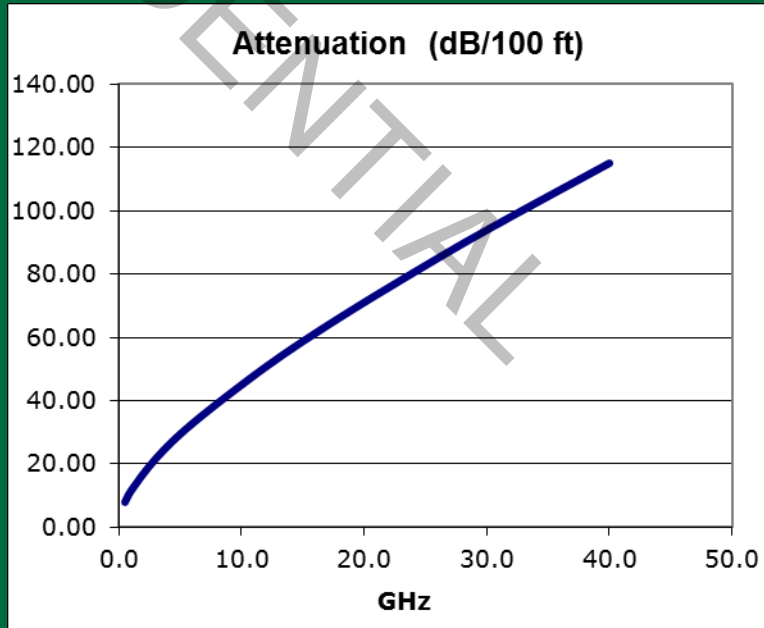
Nominal Electrical Properties

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)	29.0
Max Operating Freq. (GHz)	40

Nominal Attenuation @ 25 °C and Sea Level

Freq. (GHz)	dB/100 ft
0.5	7.94
1.0	11.59
3.0	21.65
6.0	32.79
12.0	50.73
18.0	66.23
26.0	85.01
32.0	98.23
40.0	115.06
K1	10.35
K2	1.24



SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE

REV	DCN NO.	DATE	APP.	135 WARD HILL, MA 01835 978 469-9448 WWW.DYNAWAVECABLE.COM	
BA	14-1905	7/29/14	SH	DRAWN TA DATE 12/18/12	
CA	14-2335	10/28/14	SH	APPROVED SH DATE 12/18/12	0.160", 70%, FEP BLU 0.036", Foil, BRD
CB	15-1775	6/2/15	SH	CODE IDENT. 6DZL5	
DA	16-1480	4/14/16	SH	Page 1 of 8	DWG. NO. DX141
EA	16-1652	5/25/16	TA		
FA	18-2214	10/30/18	TA		