

# Specification Control Drawing (SCD)

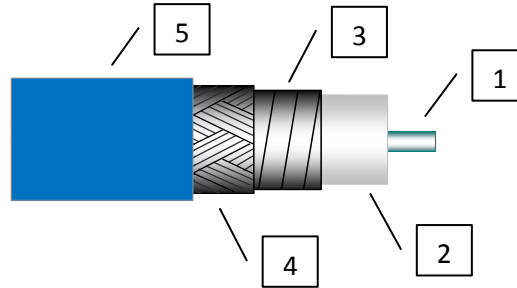
DWG. NO. DXM086

Rev BA

## 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)	-45 / +125	1	Center Conductor	Solid, Silver Plated Copper Per ASTM B298
Jacket O.D. (in)	0.096 ± .005	2	Dielectric	Low Density Fluoroplastic (proprietary)
Round Braid O.D. (in)	0.085	3	First Shield	Silver Plated Copper per ASTM B298
Helical Foil O.D. (in)	0.069	4	Secondary Shield	Silver Plated Copper per ASTM B298
Dielectric O.D. (in)	0.060	5	Jacket (Blue)	Fluoroplastic, 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® Microporous DXM086 (Lot #) YYWW "
Inside Min. Bend Radius (in)	0.3"			
Weight (lbs/ft)	0.014 Max			

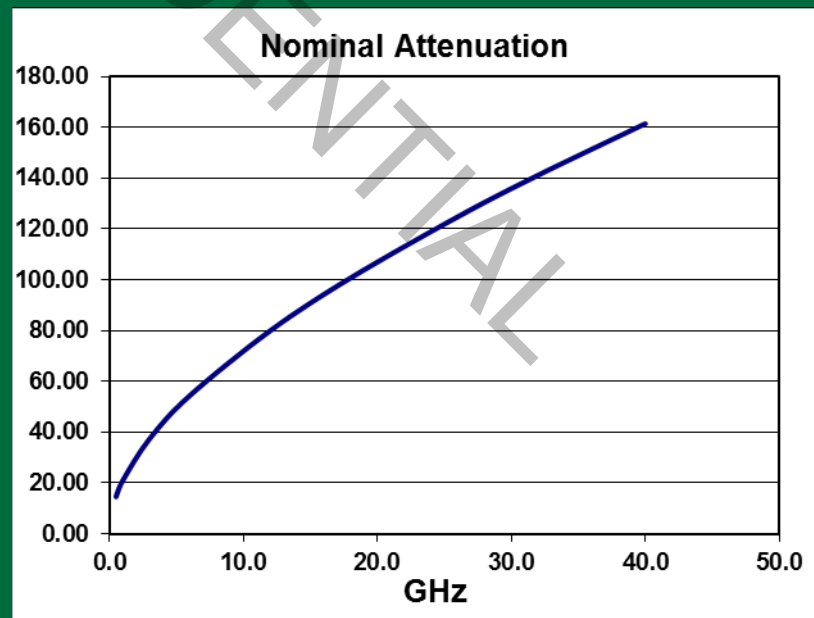
## Nominal Electrical Properties

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

Impedance (ohms)	50
Velocity of Propagation (%)	76
Shielding Effectiveness (dB)	100
Capacitance (pF/ft)	27.0
Max Operating Freq. (GHz)	40

## Nominal Attenuation @ 25 °C and Sea Level

Freq. (GHz)	dB/100 ft
0.5	15.05
1.0	21.49
3.0	38.10
6.0	55.09
12.0	80.33
18.0	100.67
26.0	124.00
32.0	139.74
40.0	159.15
K1	20.80
K2	0.69



**SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE**

REV	DCN NO.	DATE	APP.	135 WARD HILL, MA 01835 978 469-9448 WWW.DYNAWAVECABLE.COM	
AD	14-1223	2/25/14	SH	DRAWN TA DATE 7/16/12	
AE	14-2373	10/28/14	SH	APPROVED SH DATE 7/16/12	0.096", 76%, ETFE BLU / .020" FOIL, BRD, ETFE
AF	15-1959	7/11/15	SH	CODE IDENT. Page 1	
AG	15-2385	10/5/15	SH	6DZL5	DWG. NO. DXM086
AH	16-1625	5/19/16	TA		
BA	17-1068	1/17/17	SH		