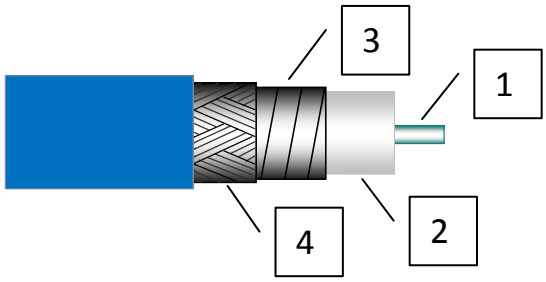
Specification Control Drawing (SCD)

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

Operating Temp. (deg C)	-65 / +125
Jacket O.D. (in)	0.096 ± .004
Round Braid O.D. (in)	0.084
Helical Foil O.D. (in)	0.072
Dielectric O.D. (in)	0.063
Solid Center Conductor (in)	0.020
Inside Min. Bend Radius (in)	0.15"
Weight (lbs/ft)	0.013 Max

Construction in accordance with MIL-DTL-17

1	Center Conductor	Solid, Silver Plated Copper Clad Steel Conductor, Per ASTM B298
2	Dielectric	Solid PTFE, Type F, per ASTM D4894 or D4895
3	First Shield	Silver Plated Copper per ASTM B298
4	Secondary Shield	Silver Plated Copper per ASTM B298
	Jacket (Blue)	Flouroplastic, Type IX per ASTM D2116 or Type X per ASTM D3159
	Marking @ 12 inch intervals **(Black Ink)**	**" D-Flex® DX086 (Lot #) YYWW "**

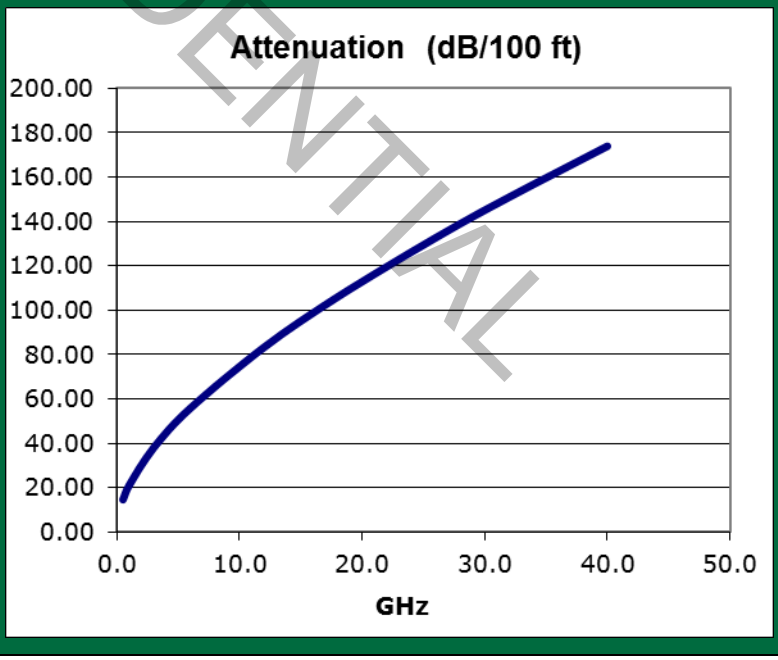
Nominal Electrical Properties

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

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



SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE

REV	DCN NO.	DATE	APP.
CA	14-1929	8/1/14	SH
DA	14-2338	10/28/14	SH
EA	15-2181	8/21/15	SH
FA	16-1490	4/18/16	SH
GA	16-1784	6/24/16	SH
HA	18-2209	10/30/18	TA

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DRAWN TA DATE 8/16/12

APPROVED SH DATE 8/16/12

CODE IDENT. 6DZL5

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0.096", 70 %, FEP, BLU
0.0201", Foil, BRD

DWG. NO. DX086