

Specification Control Drawing (SCD)

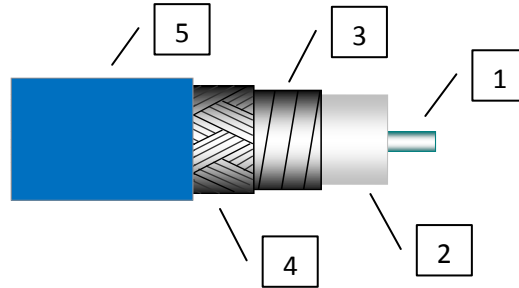
DWG. NO. DXM086

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 | | | |

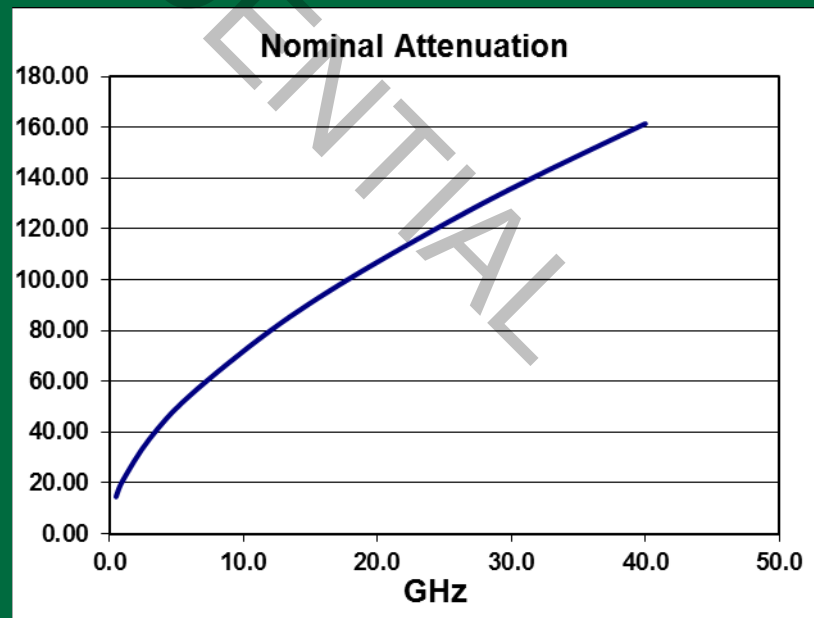
Nominal Electrical Properties

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 | | DWG. NO. DXM086 |
| AH | 16-1625 | 5/19/16 | TA | | |
| BA | 17-1068 | 1/17/17 | SH | 6DZL5 | |