

Rigid Coaxial Transmission Line

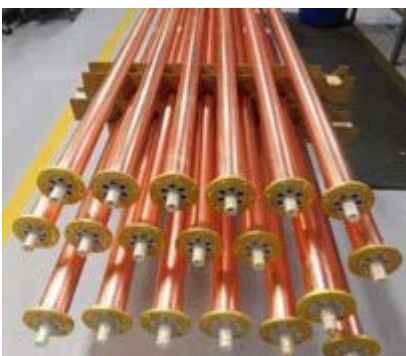
DB offers high power rigid coaxial transmission lines in coaxial sizes from Type N to 14" in copper or aluminum with Te on line supports. Our standard and rigid coaxial transmission lines utilize copper tubing with brass angles, aluminum tubing with aluminum angles. For custom applications, DB offers rexolite or ceramic transmission line supports. Our transmission line are typically nished as natural, chemical conversion or with paint.



We design, build and test coax lines to the exact size that ts your application. DB's various coax designs and sections of rigid coaxial transmission line to your project requirements. Contact our sales team to discuss project requirements, product engineering, or speci c design needs. We look forward to working with you!



Rigid Coaxial Transmission Line: Diameter & Sizes



Rigid Coaxial Transmission Line

DB Electronica offers rigid coax transmission line in the following diameter sizes:

- Type N
- DIN 7-16"
- 7/8"
- 1-5/8"
- 3-1/8"
- 4-1/16"
- 4-1/2"
- 6-1/8"
- 7-3/16"
- 8-3/16"
- 9-3/16"
- 14"

Please specify the coax section length requirement at time of request.

High Power Coax: Designs & Options

DB Electronica has high power coax lines are manufactured to offer: A superior electrical qualities and mechanical characteristics.

The coax we develop is calculated to precision, offering minimum VSWR and maximum stability.

By utilizing component materials such as Te on, Ceramic and other insulator materials – our specialized high power coax connector designs can operate at peak performance in the most severe environments.



For 50 Ohm, 75 Ohm or 100 Ohm systems, DB recommends the use of high conductivity copper inner conductors, supported by Te on insulators.

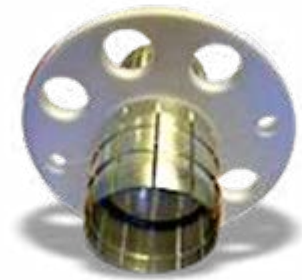
However, we understand that Te on is not suitable in high radiation zones. For this setting, DB can supply specialized polymer insulators. Alternatively, other ceramic supports are available for coaxial transmission line sizes up to 14" diameter.

Please contact our sales team to discuss your needs, if not specified.

Rigid Coax Lines: Product Highlights

DB rigid coax transmission lines are meticulously fabricated to meet your RF project needs. In addition to custom coax components, we offer the following product highlights for our standard transmission line:

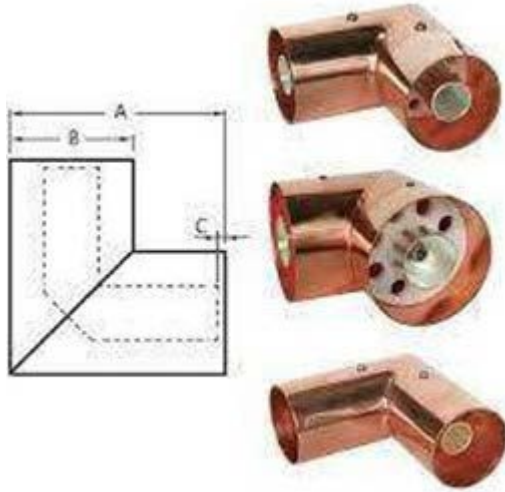
- Standard lines use Aluminum and Copper Tubing Custom rigid coax lines for special diameters
- Square, rectangular sections for special requirements
- Te on, Ceramic or other support insulators Impedances: 50 or 75 Ohms
- Various finish options: natural, chemical conversion, paint, or other



Rigid Coaxial Transmission Line

Rigid Lines Accessories

Elbows, Coupling Elements, Flange , Anchor Insulator , Gasket and all related accessories is developed and manufactured by DB Electronica at its factory.



FEEL FREE TO CONTACT US FOR ANY TYPE OF ASSISTANCE YOU NEED: DB ELETTRONICA TELECOMUNICAZIONI SPA.