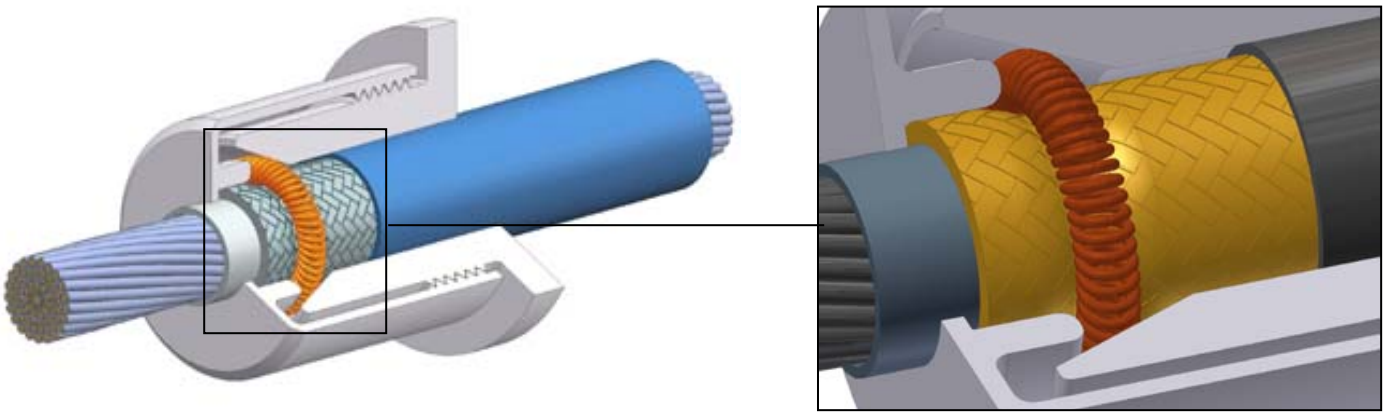
BAL SEAL® ENGINEERING, INC.

PN-290-66

Bal Spring® Canted Coil Spring for EMI/RFI Shielding Applications

Protection from electromagnetic and radio frequency interference is critical in today's electronics. Shielding must be used to prevent damage to sensitive electronics, and to guard against potential system failure. The Bal Spring® canted coil spring is an excellent option for designers seeking a robust, effective shielding alternative. The spring is ideal for use in high-frequency, small package applications, and it offers distinct advantages over other shielding technologies, such as conductive elastomers, wire mesh and stamped fingers. Its high conductivity and superior resistance to compression set result in improved performance and longer service life. The Bal Spring® is available as closed rings or straight lengths in a variety of sizes, wire materials and platings.

Connector Shell



Operating Parameters

Plug diameters:	25 mm (0.98 in)
Spring Selection:	104 MB
Spring Material:	Copper alloy
Assembly force:	20N (4.51 lbs.), (2039 g)

Features:

- Simplifies connector design
- Highly concentrated forces at multiple contact points preserve high conductivity across interface
- Canted coil design ensures consistent shielding, despite surface irregularities and tolerance variations
- Unique configuration enables spring to fit into small packaging requirements
- Canted coil design permits relatively large tolerances on mating parts for low production costs
- Springs are self-retained in the grooves and can be easily stretched over keys or other features

Our products are custom-engineered to improve the performance and reliability of your designs. For more information about this and other sealing, connecting, conducting and EMI/RFI shielding solutions, please contact us, or visit us at www.balseal.com.

U.S. Address 19650 Pauling Foothill Ranch, CA 92610-2610 • Phone: (949) 460-2100• Fax: (949) 460-2300
BV Address: Jollemanhof 16, 5th floor • 1019 GW Amsterdam • The Netherlands • Phone: 31 20 638 65 23 • Fax: 31 20 625 60
www.balseal.com

Rev. 02-28-19