

Hearing Health Audiocoil (telecoil) Products from



To better serve the specialized and evolving needs of the Hearing Health market, Tibbetts Industries and partner company R. Audemars SA have founded a joint venture company - Global Coils SAGL. Global Coils offers the audiocoil technology and components needed by today's world-class hearing instrument manufacturers. All Hearing Health Audiocoil (telecoil) products previously available from Tibbetts Industries are now available exclusively through Global Coils. For complete product details please visit www.globalcoils.com.

Medical and Industrial Coil Products

Custom Products

Tibbetts Industries manufactures miniature coil products for use in a variety of medical and industrial applications. **Please contact us to design a custom coil to meet your specific requirements.**

Standard Products

All Hearing Health Audiocoils (telecoils) in the Global Coils catalog may be purchased directly from Tibbetts Industries if purchased for use in medical or industrial applications. For a complete list of these products please visit www.globalcoils.com. Additionally, the following coil products specifically designed for medical and industrial applications may be purchased exclusively through Tibbetts Industries.

The -xx- in the part numbers listed below designates the assembly version. Most standard items use the designator -31- which designates 36 AWG solid copper leads with solderable polyurethane insulation (green on the start of the winding, red on the finish end). Standard leads are 1.9" (48 mm) nominal length and stripped approximately 0.25" (6.5 mm) at the ends. A protective UV coating is applied. Assembly versions other than -31- may not be available as standard items. Please contact us if you require other versions.

| Unit | Lead ^a | Length | | Diameter | | R _{DC} | Inductance | 1 kHz Sensitivity (@ 1 A/m) ^b | | |
|-------------|-------------------|--------|-------|----------|------|-----------------|-------------|--|-----------|------------|
| | | | | | | | | dBV | dBV | Micro Amps |
| Designation | Type | Inch | mm | Inch | mm | Ohms | (mH, 1 kHz) | Open Cir. | w/ 10kohm | Shorted |
| F02-xx-FIM | C | 0.680 | 17.27 | 0.055 | 1.40 | 1600 | 285 | -46.9 | -48.3 | 1.88 |
| W10-xx-HCN | C | 0.480 | 12.02 | 0.075 | 1.90 | 1750 | 388 | -49.2 | -50.97 | 1.16 |
| Y02-xx-EAJ | S | 0.375 | 9.52 | 0.095 | 2.40 | 480 | 100 | -58.0 | -58.5 | 1.59 |
| Y05-xx-GDJ | C | 0.217 | 5.51 | 0.169 | 4.29 | 1200 | 535 | -51.2 | -52.4 | 0.77 |
| Y05-xx-IAJ | C | 0.217 | 5.51 | 0.175 | 4.45 | 1900 | 820 | -48.2 | -50.8 | 0.71 |
| Y08-xx-KAO | C | 0.145 | 3.66 | 0.145 | 3.58 | 5300 | 1180 | -50.6 | -55.7 | 0.32 |
| Y13-xx-GCK | C | 0.177 | 4.50 | 0.169 | 4.29 | 1400 | 535 | -51.4 | -53.2 | 0.74 |
| Y19-xx-IAM | S | 0.295 | 7.49 | 0.100 | 2.54 | 2000 | 475 | -51.4 | -53.4 | 0.75 |
| Y28-xx-EAO | C | 0.142 | 3.61 | 0.083 | 2.11 | 1250 | 105 | -64.6 | -65.6 | 0.42 |
| Y35-xx-FHM | C | 0.154 | 3.90 | 0.142 | 3.60 | 2000 | 400 | -56.43 | -58.0 | 0.47 |
| Z08-xx-FIL | C | 0.142 | 3.61 | 0.168 | 4.29 | 1400 | 480 | -54.5 | 55.7 | 0.57 |

NOTES:

^a C = cemented to coil, S = soldered to pad on bobbin end(s)

^b Sensitivity in units of dBv (dB rel 1v) @ H = 1 Amp/meter can be converted to units of mV/Gauss by use of the following relationship:
 $mV/Gauss = 79,570 \times 10^{(dBv/20)}$

To provide the best products, Tibbetts Industries reserves the right to change materials, processes and specifications, without notice.