

Engineering Note

SUBJECT: CICOIL CABLE SHELF LIFE

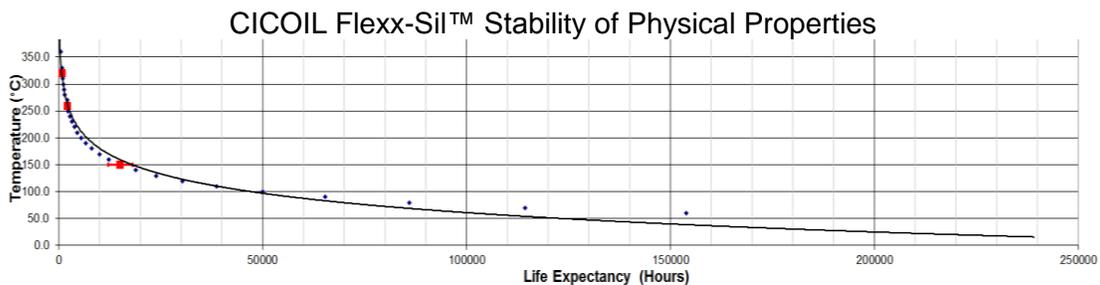
This report discusses the shelf life of CICOIL's high performance flat cable jacketing, Flexx-Sil™

CICOIL's flat cables are jacketed using our custom formulated high performance material Flexx-Sil™. Flexx-Sil™ is a unique, custom-engineered compound that shares a similar backbone chain with other high performance polymers without any of the negative physical properties or chemical impurities. The molecular structure allows for exposure to extreme environmental conditions, has great electrical properties, chemical stability, and is flame retardant.

Flexx-Sil™ is used in many industries including military, aerospace, medical, electronics and industrial automation. The high standard set by CICOIL has enabled Flexx-Sil™ to be ultra-pure, durable, exceedingly flexible, and offers the highest life expectancy.

Flexx-Sil™ rubber can be used at 150°C for 20,000 hours with almost no change in its properties. It withstands use at 200°C for 10,000 hours or more, and some cables with Flexx-Sil can withstand heat of 350°C for short periods. Flexx-Sil™ rubber is thus suitable as a material for high performance cable and cable assemblies used in high temperature environments.

At 25°C Flexx-Sil™ rubber will retain stability of its physical properties for over 250,000 hours, giving it a 30 year shelf life.



Please contact CICOIL for more information. techsupport@cicoil.com Or on the web at: cicoil.com