

CTC AppNotes

A series of technical documents written by members of the CTC community

Viton vs. silicone in Seal tight boots.

In the field vibration analysts frequently encounter many varied chemicals and chemical combinations. With all of the various chemicals to be dealt with, it turns out that no one material is compatible with every environment. So, in order to provide solutions for the most difficult of these environments CTC has chosen to offer specialty materials for protecting the connections to sensors, including Viton and silicone. While both Viton and silicone have excellent resistance to many chemicals, certain



New VITON® Boot offerings from CTC. Enhanced chemical resistance and an IP 68 rating.

chemicals, like chlorine, can cause silicone to deteriorate rapidly, yet have little or no effect on Viton.

CTC has also used this opportunity to create a



CTC's B2A Silicone seal-tight boot has been used successfully for many years in many environments.



New V2N connector boot shown on CTC's high temperature cable CB111.

boot that will provide superior protection and can even be submerged for extended lengths of time in depths of up to 5 meters without allowing water to penetrate to the sensor connections. The V2N and V3N Connectors have



Three socket connector V3N requires CB119 4 conductor cable to maintain the coveted IP68 rating.

been tested to the IP 68 standards and passed with no water ingress observed at all.

In summary, CTC has vibration analysis cable/connector solutions for almost every chemical /liquid environment.



Silicon boots splitting after prolonged exposure to chlorine.

If you have any questions or for further information please contact CTC directly via Email at dgripe@ctconline.com or jsmith@ctconline.com or feel free to call 1-800-999-5290 in the US and Canada or +1-585-924-5900 internationally.

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If any CTC vibration analysis hardware product should ever fail, we will repair or replace it at no charge.