

PRODUCT FAMILY

**CLCP 6 MINUTE PYROTECHNIC
TIME DELAY FUSE**

Our green energetic pyrotechnic time delay fuse provides time manipulation of down-hole pressure/detonation for oilfield tubing conveyed perforating guns. CLCP is a 'green' or lead-free, cobalt based material that offers excellent stability at high temperatures. In addition, overall stability and auto ignition values for our CLCP are similar to those for lead azide and are only slightly less than those for silver azide. CLCP is substantially less sensitive to impact/shock and/or friction events when compared to azide-based materials. Designed as a deflagration to detonation transfer (DDT) explosive, CLCP requires a minimum column length and confinement to achieve full detonation. We have demonstrated that CLCP offers a reliable high order detonation when used under these conditions, and is superior to lead azide in a variety of applications.



APPLICABLE SPECIFICATIONS

- Ignition Closure: Aluminum foil
- Housing & Output Closure: CRES
- Ignition End: Environmental Seal
- Output End: Hermetic Welded Seal
- Explosive Materials: Ignition: 650 mg A-1A
Delay: 29 GM Tungsten Delay
Output: 670 mg HNS
NEW: 30.934 GM
- Firing Characteristics: Ignites from a percussion primer
2-350220-1 or equivalent
- Burn Time: 6 min 30 ±30 sec at 75 ±5 °F
- Temperature Rating: 400 °F 16 HR
350 °F 100 HR
320 °F 200 HR
- Output: Detonates booster

ENVELOPE & DIMENSIONS

