HIGH PRESSURE SHIELDED MILD DETONATING CORD

PRODUCT FAMILY

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The High Pressure Shielded Mild Detonating Cord (HP-SMDC) assemblies are explosive transfer lines, consisting of a metal sheathed explosive core contained in a stainless steel tube. These assemblies, specifically designed for use in the oil and gas industry, are rated to withstand an external high well bore pressure of 30,000 PSI. The Mild Detonating Cord (MDC) explosive used in the SMDC assemblies is a high-temperature explosive which allows the MDC to withstand temperatures up to 500°F for 50 hours without degrading the effect of the detonation characteristics.



APPLICABLE SPECIFICATIONS

Hermetic Seal:	\leq 10-5 cc/sec (air)
Humidity:	100% of water or frost
Withstanding Pressure:	30,000 external hydrostatic pressure
Storage Temperature:	-80°F to +200°F
Operating Temperature:	-65°F to +500°F (500°F for 50 hours)
Vibration:	80 to 2000 cps +/- 20G
Shock:	3 shocks of 40G in any direction
Acceleration:	40G in any direction
Drop Test:	6 foot drop – operational
	40 foot drop – safe to handle
Plate Dent Test:	0.010 inch minimum dent depth in steel plate
	0.040 inch minimum dent depth in aluminum plate
Initiation:	No. 6 Blasting Cap or various qualified devices available
Transfer Gap:	0.02 inch to 0.10 inch, tip to tip