PRODUCT FAMILY

FLEXIBLE DETONATING CORD | FDC

Flexible Detonating Cord (FDC) is a type explosive transfer line consisting of metal-sheathed energetic material drawn in a round configuration with booster shell end tips.

Typical FDC is manufactured using Mild Detonating Cord (MDC) with minimal outer covering. An outer sheathing of flame retardant semi-rigid tubing produces a durable and flexible energy transfer line that permits easy routing in confined spaces. Its inherent reliability can be enhanced in system applications through the use of crossovers of the same energy transfer lines. High energy output tips are available with various explosive loads tailored to application requirements. End tip configurations can be provided to replicate Shielded Mild Detonating Cord (SMDC) Assemblies.

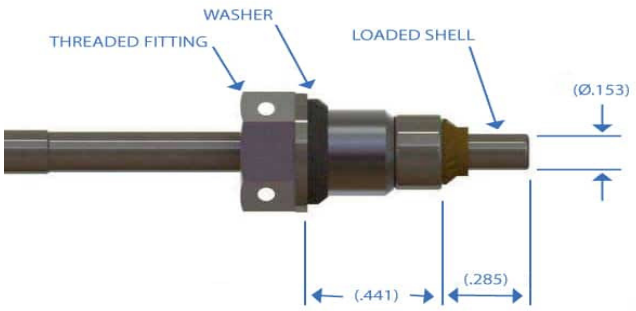
APPLICABLE SPECIFICATIONS

Weight:	4.60g per end tip (.375-24 UNF) plus 0.70g per inch of length
Pull Test:	100 lbs.
Temperture Cycling:	-65°F/+368°F 8 Cycle/ 2 Hours Minimum
Operating Temperature:	–65°F to +165°F
Initiation:	No. 6 Blasting Cap or various qualified devices available through PacSci EMC (Arm Fire Initiators, Lanyard Pull Initiators, Electrical Detonators, EFIs, Safe Arm Devices)
Output:	0.010 inch minimum dent depth in steel plate 0.040 inch minimum dent depth in aluminum platE
Shock:	100 – 10,000 Hz, 105 – 7350G
Acceleration:	20G's, 5 Minimum
Random Vibration:	3 Axis, Both Directions
High Temperature	65.9 GRMS
Storage:	+160°F, 40 – 60RH, 30 Days

SINUSOIDAL VIBRATION

45 – 80 Hz, 21G
170 – 200 Hz, 12G
300 – 400 Hz, 12G
450 – 550 Hz, 86G
600 – 700 Hz, 74G
720 – 900 Hz, 84G
700 – 1000Hz, 70G
1600 – 1750 Hz, 22G

ENVELOPE & DIMENSIONS



DIMENSIONS FOR 3/8 END TIP