

# WHITE PAPER: What is CSA "Heavy Duty" Conduit?

## CSA Heavy Duty Conduit Meets October 2017 CSA Test Requirements

CSA Heavy Duty approval is not recognized in the USA. Look for the CSA HD marks on conduit from ANAMET Electrical to make sure conduit complies with Canadian standards.

UL listed ANACONDA SEALTITE® conduit meets or exceeds American and Canadian safety standards. The independent laboratories of UL and CSA have listed or approved conduit for safe use.

Underwriters' Laboratories (UL) listed and CSA approved ANACONDA SEALTITE® conduit meets both US National Electrical Code (NEC) and Canadian national electrical safety standards.

## What Conduit Can Be Heavy Duty?

CSA Heavy Duty requirements apply only to 1/2 to 4 inch conduit. CSA also does not approve Stainless Steel core conduit for use or 3/8 inch conduit (for Heavy Duty applications).

Both UL and the US NEC allows use of Stainless Steel core conduit and 3/8 inch conduit.

## Tensile Strength

Conduit must withstand 500 pounds of pulling force along its length for 60 seconds without opening convolutions or damage to the liquid tight jacket.

## Flexibility

Conduit must bend around a mandrel without breaking core convolutions or the outer jacket. Also conduit must remain flexible without breaking convolutions or the jacket after exposure to extreme cold.

## Conduit Fitting Pullout Resistance

Conduit fittings in conduit must resist pulling out at least 350 pounds force for five minutes.

## Crush Resistance

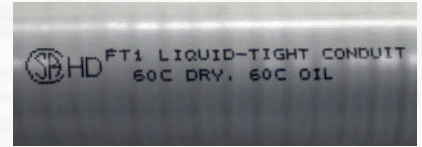
Round conduit must resist 2000 to 1500 pounds of crushing force, depending on the diameter of the conduit, until the conduit is crushed to half its height.

## Canadian Flame Test Requirements

FT1 Flame Test for conduit is exposure at 15-second durations of a 3,000 BTU/hour flame five times. A conduit shall not convey flame or continue to burn for more than 60 seconds after five 15-second flame applications. Failure is more than 25 percent burn of the extended portion.

## Ongoing development

ANAMET Electrical complies with safety standards and delivers compliant products. Our ongoing work with manufacturers, builders and international regulations provides us with a depth of experience meeting and exceeding users' needs. For more information, visit our website at [www.anacondasealtite.com](http://www.anacondasealtite.com).



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