



IQ Cheat Sheet

Fiberglass Conduit IQ Cheat Sheet

All the fiberglass conduit information you need - all in one place

Thanks for taking our Fiberglass IQ quiz - we've put together this cheat sheet so you'll have all the need-to-know facts about this lightweight, versatile conduit material at your fingertips.

FACT 1

Champion Fiberglass conduit is up to 15x lighter than PVC-coated steel.

Champion Fiberglass conduit (6" diameter) weighs in at 15x lighter than the same diameter PVC-coated steel. Most diameters (when comparing a 100-foot length of conduit) are also lighter than aluminum, PVC SCH 40, PVC SCH 80, and galvanized rigid steel. This contributes greatly to lower manpower costs and faster installation times.

FACT 2

Champion Fiberglass conduit has a lower coefficient of friction - .38 vs. PVC-coated steel's .55.

This means a faster, smoother cable pull and less damage to the conduit's structural integrity. Fiberglass conduit is also less susceptible to damage from the various types of pull-through lubricants common in the industry.

FACT 3

Low installation costs are a major benefit of Champion Fiberglass conduit.

The NECA (National Electrical Contractors Association) Manual of Labor Units credits fiberglass conduit with the lowest average required installation hours for 9 out of 11 conduit diameters (1-1/4" - 6") in comparison with aluminum, PVC-coated steel, galvanized rigid steel, and PVC SCH 80 and 40.

FACT 4

"Phenolic" denotes conduit that meets the elevated temperature requirements for exposed conduits of both the National Fire Protection Association (NFPA 130) and the American Society for Testing and Materials (ASTM E136).

It also features a low coefficient of thermal expansion. Because of these characteristics, it is often used as surface-mounted electrical conduit for transit and passenger rail systems.

FACT 5

Fiberglass conduit's superior range of corrosion resistance makes it suitable for many operations/ environments where PVC-coated steel is unsuitable.

Fiberglass conduit is resistant to exposure to hundreds of types of chemicals, and endures intensive exposure to such toxic elements such as acetic acid, hydrochloric acid, glycerin, gasoline, lime slurry, lithium chloride, and naphtha.

If you have any more questions about Champion Fiberglass conduit, please contact us. We're always ready to connect you with the answers you need.

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