



Rigid Metal Conduit – Aluminum Vs PVC-Coated Steel Conduit

When you need a corrosion-resistant conduit that is easy to work with, requires no additional tools or training, and is available at a reasonable price...

Rigid Aluminum is simply the best choice.

	PVC Coated Steel	Aluminum
Material Cost	High	Low
Installation Speed	Slow	Fast
Weight per 10 Ft	High	Low
Non-Sparking	No	Yes
Non-Magnetic	No	Yes
Rust Free	Maybe	Yes
Voltage Drop	High	Low
Heat Build Up	High	Low
Requires Special Tools	Yes	No

2 Ways to Save – Material & Labor!

Labor Savings - Aluminum vs PVC Coated Steel				
Size	Laid in Trench	12' Ceiling	16' Ceiling	20' Ceiling
1-1/4	34.9%	32.6%	32.2%	35.3%
1-1/2	46.9%	48.1%	47.7%	46.9%
2	59.7%	57.1%	55.3%	57.1%
2-1/2	59.1%	58.2%	59.1%	57.1%
3	57.1%	58.1%	57.1%	57.6%
3-1/2	72.4%	71.2%	58.2%	57.9%
4	73.1%	71.5%	71.4%	70.2%
5	72.4%	70.8%	70.0%	71.4%
6	71.4%	71.0%	70.3%	70.0%

Source: Aluminum Electrical Conductor Handbook, 1989

Material Savings - Aluminum vs PVC Coated Steel	
Size	% Savings
1/2	166%
3/4	131%
1	106%
1-1/4	98%
1-1/2	94%
2	90%
2-1/2	82%
3	75%
3-1/2	78%
4	77%
5	129%
6	139%

Call Patriot at 434-510-1776 for Current Pricing

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CAGE Code: 6GRN9
 DUNS: 040931882
 SCC: S3361401
 SWaM Code: 702274
 A Certified Small Business



UL File Numbers:
 Aluminum - E337297
 Stainless - E337297
 Galvanized - E467496
 EMT - E467495