



Conduit Pull Test Comparison

FRICITION PULL TEST RESULTS - POLYMER CONDUIT



Test Bed Setup

The same conditions were used when conducting each of the tests below. Each test was performed using a 14.5 ft long piece of conduit in a circular loop, forming approx. 2 revolutions. Size .035 steel wire was pulled through at a speed of 260 IPM for 90 seconds. The ELCo conduit used in this test is P/N EC-4. The "Competitor A" polymer conduit is P/N A-2050. The "Competitor B" conduit is P/N PC-7.

The results (in pounds of force required to push the wire):

% LESS FRICTION IN ELCo CONDUIT

Conduit Type	Avg. Load (lbs)	Minimum Load (lbs)	Maximum Load (lbs)	% Less Friction
ELCo EC-4	0.49	0.40	0.64	-
Competitor A	0.88	0.70	1.00	44% LESS FRICTION
Competitor B	0.74	0.58	0.92	34% LESS FRICTION

