

# FEATURES & ADVANTAGES

	Epoxy Fiberglass	PVC Sch 40	PVC Sch 80	Galvanized Rigid Steel	PVC Coated Steel	Aluminum
<b>Cable Fault</b> Fiberglass conduit will not melt or weld the wire to the inside of the conduit under fault conditions as can happen with PVC, steel and aluminum conduit.	Not Affected	Melt/ Fuse	Melt/ Fuse	Weld	Weld	Weld
<b>Corrosion Resistance</b> Fiberglass conduit has the broadest range of corrosion resistance of all of these conduit materials. See page 62 for further information.	Wide Range	Limited	Limited	Poor	Limited	Limited
<b>Relative Cost, 4" Conduit</b> (Relative for Labor and Material Cost)	1	0.75	1	4	6	3.5
<b>Toxicity/Halogens</b> Fiberglass conduit does not release toxic halogens (i.e. chlorine and bromine) when burning.	No	Yes	Yes	No	Yes	No
<b>Weight Comparison</b> (lbs. per 100 ft., approx.) Fiberglass conduit offers the lowest weight and is still very rigid. See support spacing on pages 58-61.	¾" 27 1" 30 1¼" 35 1½" 38 2" 40 2½" 50 3" 59 3½" 65 4" 78 5" 97 6" 117 8" 150	23 34 46 55 73 125 164 198 234 318 412 640	29 43 59 99 99 152 212 262 310 431 592 N/A	105 153 201 246 334 527 690 831 982 1344 1770 N/A	105 153 201 246 334 527 690 831 982 1344 1770 N/A	36 53 70 86 116 183 239 288 340 465 612 N/A
<b>Support Spacing for 4" Conduit (ft)</b> See Engineering Section of this catalog for further information ("Deflection" on pages 58-61).	12	7	7	20	20	15
<b>Temperature Range (°F)</b> Fiberglass has an excellent wide temperature range.	-60° to +250°	+40° to +150°	+40° to +150°	N/A	N/A	N/A
<b>Handling in Low Temperatures</b> Fiberglass conduit has been shown to retain its properties at low temperatures allowing year round installations.	Excellent	Brittle	Brittle	Excellent	Excellent	Excellent
<b>Burn Through (Cable Pull)</b> Fiberglass conduit is an excellent material for avoiding "burnthrough" when pulling cable.	No	Yes	Yes	No	No	No