	Epoxy Fiberglass XW	PVC Sch 80	Galvanized Rigid Steel	PVC Coated Steel	Aluminum
Cable Fault 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	Weld	Weld	Weld
Corrosion Resistance Fiberglass conduit has the broadest range of corrosion resistance of all of these conduit materials. See page 29 for further information.	Wide Range	Limited	Poor	Limited	Limited
Toxicity/Halogens Fiberglass conduit does not release toxic halogens (i.e. chlorine and bromine) when burning.	No	Yes	No	Yes	No
Weight Comparison (lbs. per 100 ft., approx.) Fiberglass conduit offers the lowest weight and is still very rigid. ¾" 1" 1¼" 1½" 2" ½" 3" 3½" 4" 5" 6"	 61 68 82 118 126 154 182 210 238 294 350	 29 43 59 99 99 152 212 262 310 431 592	 105 153 201 246 334 527 690 831 982 1344 1770	 105 153 201 246 334 527 690 831 982 1344 1770	 36 53 70 86 116 183 239 288 340 465 612
Support Spacing for 4" Conduit (ft)	7	7	10	10	10
Temperature Range (°F) Fiberglass has an excellent wide temperature range.	-60° to +250°	+40° to +150°	N/A	N/A	N/A
Handling in Low Temperatures Fiberglass conduit has been shown to retain its properties at low temperatures allowing year round installations.	Excellent	Brittle	Excellent	Excellent	Excellent
Burn Through (Cable Pull) Fiberglass conduit is an excellent material for avoiding “burn through” when pulling cable.	No	Yes	No	No	No

CHAMPION FIBERGLASS®
6400 Spring Stuebner Rd Spring, TX 77389 Main: 281.655.8900 Fax: 281.257.2523
» info@championfiberglass.com » championfiberglass.com