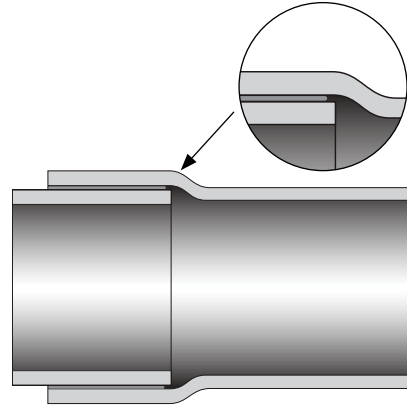


ADHESIVE JOINT

The adhesive joint is the straight socket joint combined with epoxy adhesive. The adhesive is applied to the spigot end of the conduit, and after the proper set up time, the joint is as strong as the conduit itself. This type of joining method provides the best water tightness and pull out strength. For pull out strength, see page 26.



EXPANSION JOINTS PER NEC

NEC 2008 Article 355.44 Expansion Fittings. "Expansion fittings for RTRC shall be provided to compensate for thermal expansion and contraction where the length change, in accordance with Tables 355.44, is expected to be 6 mm (¼ in.) or greater in a straight run between securely mounted items such as boxes, cabinets, elbows, or other conduit terminations."

Table 355.44(B) Expansion Characteristics of Reinforced Thermosetting Resin Conduit (RTRC)
Coefficient of Thermal Expansion = 1.5×10^{-5} in/in/°F (2.7×10^{-5} mm/mm/°C)

Temperature Change (°F)	Length Change of RTRC Conduit (in/100 ft)	Temperature Change (°F)	Length Change of RTRC Conduit (in/100 ft)	Temperature Change (°C)	Length Change of RTRC Conduit (mm/m)
5	0.09	105	1.89	5	0.14
10	0.18	110	1.98	10	0.27
15	0.27	115	2.07	15	0.41
20	0.36	120	2.16	20	0.54
25	0.45	125	2.25	25	0.68
30	0.54	130	2.34	30	0.81
35	0.63	135	2.43	35	0.95
40	0.72	140	2.52	40	1.08
45	0.81	145	2.61	45	1.22
50	0.90	150	2.70	50	1.35
55	0.99	155	2.79	55	1.49
60	1.08	160	2.88	60	1.62
65	1.17	165	2.97	65	1.76
70	1.26	170	3.06	70	1.89
75	1.35	175	3.15	75	2.03
80	1.44	180	3.24	80	2.16
85	1.53	185	3.33	85	2.30
90	1.62	190	3.42	90	2.43
95	1.71	195	3.51	95	2.57
100	1.80	200	3.60	100	2.70