Fax-on-Demand: (800) 260-9099 (650) 361-6523

Before ordering check with factory for most current data.

FAX ID	Description				
2060	Data sheet				
2061	RT-1162				

# HCTE

Irradiated modified ETFE (ethylene tetrafluoroethylene) helical Convolex tubing

# **Applications**

Used as a conduit to provide mechanical protection for electrical wiring systems in applications requiring flexibility, high-temperature performance, and good resistance to a variety of fluids. Widely used in the military and commercial aerospace industries. Can be used in conjunction with other Raychem components to form an integrated harnessing system.

### **Operating Temperature Range**

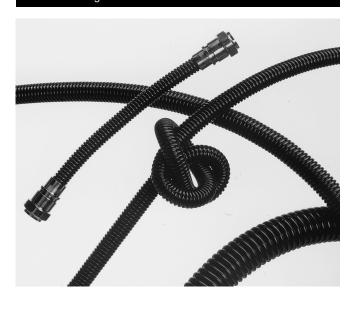
-55°C to 200°C

# Features/Benefits

- Helical construction combines excellent flexibility with high crush resistance.
- Can withstand excursions to 300°C.
- · Resists cut-through at elevated temperatures.
- Crosslinked ETFE material provides resistance to hydraulic fluids, solvents, fuels, lubricating oils, and decontaminating agents.

# Installation

It is recommended that no more than 70% of the internal area ("fill factor") of the HCTE conduit be occupied by wires in any application.



### **Specifications/Approvals**

Series	Raychem
HCTE	RT-1162

# **Product Dimensions** (mm/in)

	Inside diameter				Outside diameter				Convolutions	Maxim	num weight
Size	Maximum as supplied		Minimum as supplied		Maximum as supplied		Wall thickness Maximum		±1 per inch (per 25 mm)	Kg/100 m ( <i>lb/100 ft</i> )	
0187	4.75	(.187)	4.60	(.181)	8.13	(.320)	.46	(.018)	8	1.8	(1.2)
0281	7.14	(.281)	6.93	(.273)	10.52	(.414)	.46	(.018)	8	2.2	(1.5)
375	9.53	(.375)	9.25	(.364)	12.96	(.510)	.46	(.018)	8	3.0	(2.0)
)437	11.10	(.437)	10.85	(.427)	14.50	(.571)	.46	(.018)	8	3.7	(2.5)
500	12.70	(.500)	12.32	(.485)	16.51	(.650)	.58	(.023)	7	5.2	(3.5)
625	15.88	(.625)	15.44	(.608)	19.56	(.770)	.58	(.023)	7	6.4	(4.3)
750	19.05	(.750)	17.90	(.730)	23.62	(.930)	.58	(.023)	6	7.4	(5.0)
875	22.23	(.875)	21.84	(.860)	27.25	(1.073)	.58	(.023)	5	9.6	(6.5)
000	25.40	(1.000)	24.77	(.975)	31.14	(1.226)	.58	(.023)	5	11.2	(7.6)
250	31.75	(1.250)	30.74	(1.210)	35.30	(1.539)	.58	(.023)	4	13.0	(8.8)
500	38.10	(1.500)	36.50	(1.437)	46.53	(1.832)	.58	(.023)	4	16.9	(11.4)
625	41.28	(1.625)	39.67	(1.562)	50.17	(1.975)	.58	(.023)	4	17.7	(11.8)

# **Ordering Information**

Color	Standard Black (-0)			
Size selection	Always order a conduit size that will ensure that a "fill factor" of 70% is not exceeded.			
Standard packaging	On spools.			
Ordering description	Specify product name, size, and color (for example, HCTE-0375-0).			

Convolex is a trademark of Raychem Corporation.