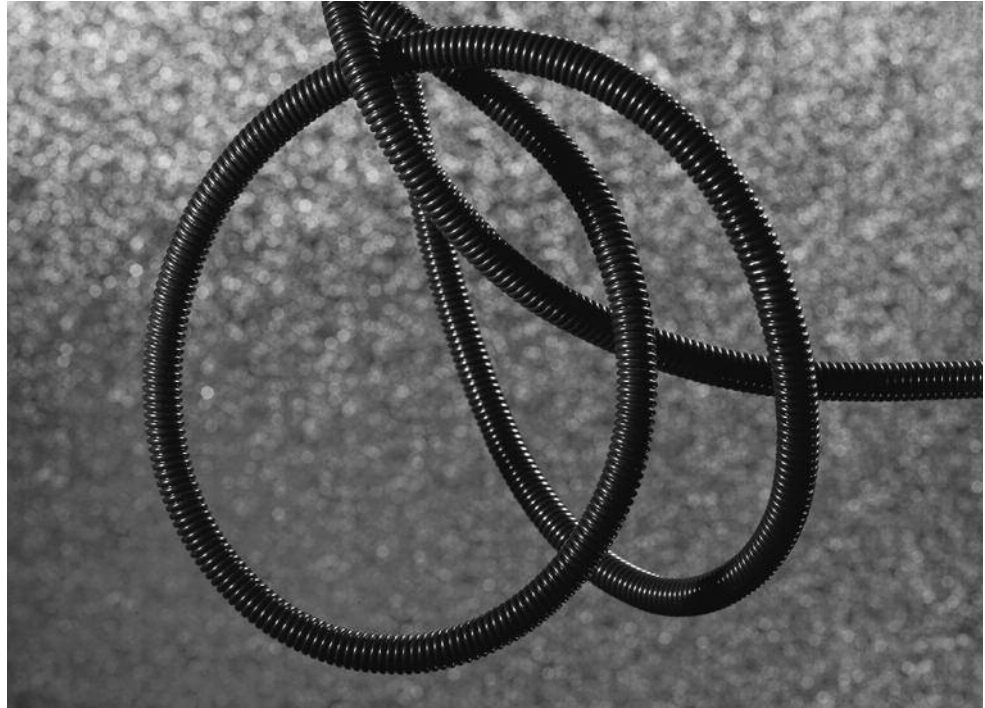


HCTE

Helical Convolex Tubing with a High Crush Resistance

Product Facts

- Highly flame-retardant
- Highly flexible and fluid resistant
- Not heat-shrinkable
- High crush resistance
- System 300 conduit tubing
- RoHS compliant



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 brand components to form an integrated harnessing system.

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.

Operating Temperature Range

-55°C to 200°C
[-67°F to 392°F]

Specifications/Approvals

| Series | Military | TE |
|--------|-----------------|---------|
| HCTE | VG 96936 Part 6 | RT-1162 |

| Available in: | Americas | Europe | Asia Pacific |
|---------------|----------|--------|--------------|
| | ■ | ■ | ■ |

HCTE (Continued)

Product Dimensions

| Size | Inside Diameter | | Outside Diameter | | Maximum Wall Thickness |
|------|-----------------|---------------|------------------|---------------|------------------------|
| | Minimum | Maximum | Minimum | Maximum | |
| 0187 | 4.60 [0.181] | 8.10 [0.320] | 8.10 [0.320] | 8.10 [0.320] | 0.46 [0.018] |
| 0281 | 6.90 [0.273] | 10.50 [0.414] | 10.50 [0.414] | 10.50 [0.414] | 0.46 [0.018] |
| 0312 | 7.70 [0.306] | 11.80 [0.450] | 11.80 [0.450] | 11.80 [0.450] | 0.46 [0.018] |
| 0375 | 9.20 [0.364] | 12.90 [0.510] | 12.90 [0.510] | 12.90 [0.510] | 0.46 [0.018] |
| 0437 | 10.80 [0.427] | 14.50 [0.571] | 14.50 [0.571] | 14.50 [0.571] | 0.46 [0.018] |
| 0500 | 12.30 [0.485] | 16.50 [0.650] | 16.50 [0.650] | 16.50 [0.650] | 0.58 [0.023] |
| 0625 | 15.40 [0.608] | 19.50 [0.770] | 19.50 [0.770] | 19.50 [0.770] | 0.58 [0.023] |
| 0750 | 17.90 [0.730] | 23.60 [0.930] | 23.60 [0.930] | 23.60 [0.930] | 0.58 [0.023] |
| 0875 | 21.80 [0.860] | 27.20 [1.073] | 27.20 [1.073] | 27.20 [1.073] | 0.58 [0.023] |
| 1000 | 24.70 [0.975] | 31.10 [1.226] | 31.10 [1.226] | 31.10 [1.226] | 0.58 [0.023] |
| 1250 | 30.70 [1.210] | 35.30 [1.539] | 35.30 [1.539] | 35.30 [1.539] | 0.58 [0.023] |
| 1500 | 36.50 [1.437] | 46.50 [1.832] | 46.50 [1.832] | 46.50 [1.832] | 0.58 [0.023] |
| 1625 | 39.60 [1.562] | 50.17 [1.975] | 50.17 [1.975] | 50.17 [1.975] | 0.58 [0.023] |
| 1750 | 42.67 [1.688] | 52.88 [2.082] | 52.88 [2.082] | 52.88 [2.082] | 0.58 [0.023] |
| 2000 | 49.20 [1.937] | 59.23 [2.332] | 59.23 [2.332] | 59.23 [2.332] | 0.58 [0.023] |

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-0187-0). | |