

HRHT (High Ratio Heat-Shrink Tubing)

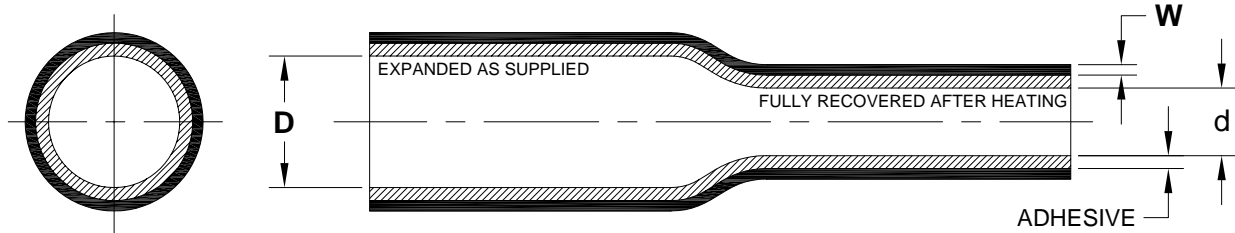


Table of Dimensions, inch (mm):

| Part Description | Expanded I.D. D, Min. | Recovered I.D. d, Max. | Recovered Wall W, Ref. |
|------------------|--------------------------|---------------------------|---------------------------|
| HRHT-1/X | 0.75 (19) | 0.12 (3.0) | 0.155 (3.9) |
| HRHT-2/X | 1.50 (38) | 0.23 (5.8) | 0.155 (3.9) |
| HRHT-3/X | 2.00 (51) | 0.36 (9.0) | 0.155 (3.9) |
| HRHT-4/X | 3.00 (76) | 0.50 (12.7) | 0.155 (3.9) |
| HRHT-5/X | 4.50 (114) | 0.75 (19.0) | 0.155 (3.9) |

Notes:

- The hi-ratio tubing is heat-shrinkable and has expansion ratios as high as 6:1.
- "X" indicates reference-recovered length in inches (e.g. for 3.0-inch length: HRHT-2/3). The tolerance shall be +/- 10% of the specified recovered length.
- The tubing is UL recognized in sizes 1 through 4 only. The reference number is E85381(R).

Material:

-152, heat shrinkable, crosslinked flexible polyolefin.
Standard factory applied hot melt adhesive is /97 or /42, as required.

Color: Black

Specification Reference:

| Item | Specification |
|------------------------|---------------|
| Heat-shrinkable tubing | SAE-AS81765/1 |
| Adhesive /97, S1297 | RW-2019 |
| Adhesive /42, S1017 | RT-1050/1 |

CUSTOMER DRAWING

| | | | | | | | |
|---|--|---|------------|---|----------|------|--------|
| | | Raychem Tubing 305 Constitution Drive, Menlo Park, CA 94025 | | TITLE: | | | |
| | | | | HRHT High Ratio Heat-Shrink Tubing | | | |
| Unless otherwise specified dimensions are in inches. [Metric dimensions are shown in brackets] | | | | DOCUMENT NO.: | | | |
| | | | | HRHT-1thru5/X | | | |
| Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application. | | | | REV: | | | |
| | | | | C | | | |
| DRAWN BY: | | CAGE CODE: | Org. Date: | File: | DCR NO.: | SIZE | SHEET: |
| U. Nguyen | | 06090 | 5/28/09 | HRHT-1thru5X.doc | R090640 | A | 1 of 2 |

Table 2: Properties

| | Property | Performance | Test Method |
|----------------------------------|---|---|--------------|
| Physical | Tensile Strength | 1200 psi (8.3 Mpa) minimum | ASTM D-412 |
| | Ultimate Elongation | 250% minimum | ASTM D-412 |
| | Specific Gravity | 1.4 maximum | ASTM D-792 |
| | Water Absorption | 0.5% maximum | ASTM D-570 A |
| | Hardness | 35 ± 5 Shore D | ASTM D-2240 |
| | Flammability | Pass | ASTM D-635 |
| | Corrosion Resistance | Pass | MIL-I-81765 |
| | Low Temperature Flexibility 4 hours at -67 ± 2°F (-55 ± 1°C) | Pass | MIL-I-81765 |
| | Heat Resistance 168 hours at 347± 2°F (175 ± 1°C) | Ultimate elongation, 200% minimum Tensile strength, 1000 psi (6.9 Mpa) minimum | MIL-I-81765 |
| | Heat Shock 4 hours at 437 ± 5°F (225 ± 2°C) | No cracking, dripping or flowing | MIL-I-81765 |
| Elastic Memory | | 275% minimum expansion to 4 inch (10 cm) of a fully recovered test specimen and 93% recovery of expanded specimen after oven conditioning for 1 minute at 302 ± 4°F (150 ± 2°C) | |
| Electrical | Dielectric Strength | 200 V/mil (7880 V/mm) minimum | ASTM D-149 |
| | Volume Resistivity | 10 ¹² ohm-cm minimum | ASTM D-257 |
| Chemical Fluid Resistance | | Ultimate elongation, 200% minimum Tensile strength, 750 psi (5.2 Mpa) minimum | MIL-I-81765 |
| Operating Temperature | | -131 to + 275°F (-55 to +135° C) (without adhesive) | |

| | | | |
|-----------------------------|------------------|-------------------------------|------------|
| Rev. Date: July 15, 2009 | Sheet: 2 of 2 | Document No. HRHT-1thru5/X | Rev.: C |
|-----------------------------|------------------|-------------------------------|------------|

If this document is printed it becomes uncontrolled. Check with the web for the latest revision.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Heat Shrink Tubing and Sleeves](#) category:

Click to view products by [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[770-006S102](#) [5685710001](#) [CR6145-000](#) [CR8248-000](#) [CR9960-000](#) [603312-4](#) [607381P039](#) [611112-000](#) [617867N001](#) [6500750004](#) [CZ1420-000](#) [D-306-38](#) [770-003S106W2](#) [770-005S105W1](#) [770-005S106W1](#) [770-007A303](#) [770-010Y106W1](#) [770-010Y706W1](#) [7771210001](#) [MFP-1/4"-Clear](#) [MFP-3/64"-Clear](#) [790-3012](#) [MFT-MT2000-NO.14-0-SP](#) [MHHT-4-15K2-G-104](#) [MIL-LT-1-1/2-4-SP](#) [MIL-LT-1-1/2-9-STK](#) [MIL-LT-1/2-2-STK](#) [MIL-LT-3-0-SP](#) [MIL-LT-3/32-0-SP](#) [MIL-LT-3/32-6-SP](#) [MIL-LT-3/4-6-SP](#) [MIL-LT-3/8-0-SP](#) [8159270001](#) [839602-000](#) [8423-6](#) [FP301-116-6"-Black](#) [FP301-1/2-48"-Black](#) [FP301-12-48"-Black-Hdr](#) [FP301-1/4-48"-Black](#) [FP301-1/4-48"-White-Hdr](#) [FP301-18-48"-Black-Hdr](#) [FP301-1/8-6"-Black](#) [FP301-18-6"-Black-Bulk](#) [FP301-316-48"-Blue-Hdr](#) [FP301-316-6"-Clear](#) [FP301-332-6"-Black](#) [912229N002](#) [120-126-16BL](#) [121-001-09](#) [121-018-32](#)