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CB-HFT is halogen-free, flexible, flame retardant heat-shrinkable tubing. This tubing is free of Pb,Cd, Hg,Cr+6, PBB and PBDE.CB-HFT can be used in any enclosed area where a flame-retardant, halogen-free environment is required, such as Metro, skyscraper, mass transit vehicles and ships. The product is UL recognized at 600V and the file No is E180908. All are F mark.

#### Specifications

| Item                      | Specifications |
|---------------------------|----------------|
| Shrink Temperature(°C)    | 90             |
| Temperature Range(°C)     | 125            |
| Radial Shrinking Ratio(%) | ≥50            |
| Longitudinal Change(%)    | ≤5             |
| Tensile Strength(MPa)     | ≥10.4          |

|                               |                        |                    |
|-------------------------------|------------------------|--------------------|
| Ultimate Elongation (%)       |                        | ≥200               |
| Aging in Circulating-air Oven |                        | 158.0±1.0℃, 168hrs |
| After aging                   | Tensile Strength(MPa)  | ≥7.3               |
|                               | Ultimate Elongation(%) | ≥100               |
| Volume Resistivity(Ω.cm)      |                        | ≥10 <sup>14</sup>  |
| Dielectric Strength(KV/mm)    |                        | ≥15                |
| Flammability                  |                        | VW-1               |
| Concentricity(%)              |                        | ≥65                |

### Size

| Size | As Supplied (mm) |                | After Recovery (mm) |                |
|------|------------------|----------------|---------------------|----------------|
|      | Inside Diameter  | Wall-thickness | Inside Diameter     | Wall-thickness |
| φ0.8 | 1.3±0.2          | 0.15±0.05      | ≤0.45               | 0.28±0.05      |
| φ1.0 | 1.5±0.2          | 0.18±0.05      | ≤0.6                | 0.30±0.05      |
| φ1.5 | 2.0±0.2          | 0.18±0.05      | ≤0.8                | 0.32±0.05      |
| φ2.0 | 2.5±0.2          | 0.18±0.05      | ≤1.00               | 0.35±0.05      |
| φ2.5 | 3.0±0.2          | 0.20±0.05      | ≤1.25               | 0.38±0.05      |
| φ3.0 | 3.5±0.3          | 0.20±0.05      | ≤1.5                | 0.38±0.05      |
| φ3.5 | 4.0±0.3          | 0.20±0.05      | ≤1.75               | 0.38±0.05      |
| φ4.0 | 4.5±0.3          | 0.23±0.05      | ≤2.0                | 0.45±0.05      |
| φ4.5 | 4.8±0.3          | 0.23±0.05      | ≤2.25               | 0.45±0.05      |
| φ5.0 | 5.5±0.3          | 0.23±0.05      | ≤2.5                | 0.45±0.05      |
| φ6.0 | 6.5±0.4          | 0.25±0.05      | ≤3.0                | 0.50±0.05      |
| φ6.5 | 7.0±0.4          | 0.25±0.05      | ≤3.0                | 0.52±0.05      |
| φ7.0 | 7.5±0.4          | 0.30±0.08      | ≤3.5                | 0.60±0.05      |
| φ8.0 | 8.5±0.3          | 0.30±0.08      | ≤4.0                | 0.60±0.08      |
| φ9.0 | 9.5±0.4          | 0.30±0.08      | ≤4.5                | 0.60±0.08      |
| φ10  | 10.5±0.5         | 0.30±0.08      | ≤5.0                | 0.60±0.08      |
| φ11  | 11.5±0.5         | 0.30±0.08      | ≤5.5                | 0.60±0.08      |
| φ12  | 12.5±0.5         | 0.30±0.08      | ≤6.0                | 0.60±0.08      |
| φ13  | 13.5±0.5         | 0.36±0.12      | ≤6.5                | 0.65±0.12      |
| φ14  | 14.5±0.5         | 0.36±0.12      | ≤7.0                | 0.65±0.12      |
| φ15  | 15.5±0.5         | 0.36±0.12      | ≤7.5                | 0.65±0.12      |
| φ16  | 16.5±0.5         | 0.36±0.12      | ≤8.0                | 0.70±0.12      |
| φ17  | 17.5±0.5         | 0.36±0.12      | ≤8.5                | 0.70±0.12      |
| φ18  | 18.7±0.5         | 0.40±0.15      | ≤9.0                | 0.75±0.12      |

|      |          |           |       |           |
|------|----------|-----------|-------|-----------|
| φ20  | 20.6±0.6 | 0.40±0.15 | ≤10.0 | 0.80±0.12 |
| φ22  | 22.7±0.6 | 0.40±0.15 | ≤11.0 | 0.80±0.12 |
| φ25  | 25.5±0.7 | 0.45±0.15 | ≤12.5 | 0.90±0.12 |
| φ28  | 29.2±0.7 | 0.45±0.15 | ≤14.0 | 0.90±0.12 |
| φ30  | 31.0±0.7 | 0.45±0.15 | ≤15.0 | 0.90±0.12 |
| φ35  | ≥35      | 0.50±0.15 | ≤19   | 1.00±0.30 |
| φ40  | ≥40      | 0.50±0.15 | ≤21   | 1.00±0.30 |
| φ50  | ≥50      | 0.50±0.15 | ≤27   | 1.00±0.30 |
| φ55  | ≥55      | 0.50±0.15 | ≤28   | 1.00±0.30 |
| φ60  | ≥60      | 0.50±0.15 | ≤31   | 1.00±0.30 |
| φ70  | ≥70      | 0.70±0.30 | ≤35.0 | 1.45±0.25 |
| φ80  | ≥80      | 0.70±0.30 | ≤40.0 | 1.45±0.25 |
| φ90  | ≥90      | 0.70±0.30 | ≤45.0 | 1.45±0.25 |
| φ100 | ≥100     | 0.70±0.30 | ≤50.0 | 1.45±0.25 |

#### Size in Inch

| SIZE<br>(Inch) | As supplied (mm) |           | After Recovery (mm) |           |
|----------------|------------------|-----------|---------------------|-----------|
|                | MIN ID           | WALL      | MAX ID              | WALL      |
| 3/64           | 1.2              | 0.18±0.05 | ≤0.6                | 0.30±0.05 |
| 1/16           | 1.6              | 0.18±0.05 | ≤0.8                | 0.32±0.05 |
| 3/32           | 2.4              | 0.18±0.05 | ≤1.00               | 0.35±0.05 |
| 1/8            | 3.2              | 0.20±0.05 | ≤1.5                | 0.38±0.05 |
| 3/16           | 4.8              | 0.23±0.05 | ≤2.0                | 0.45±0.05 |
| 1/4            | 6.4              | 0.25±0.05 | ≤3.0                | 0.50±0.05 |
| 3/8            | 9.5              | 0.30±0.08 | ≤4.5                | 0.60±0.08 |
| 1/2            | 12.7             | 0.30±0.08 | ≤6.0                | 0.60±0.08 |
| 3/4            | 19.1             | 0.40±0.12 | ≤10.0               | 0.75±0.12 |
| 1              | 25.4             | 0.45±0.12 | ≤12.5               | 0.90±0.12 |
| 1-1/4          | 31.8             | 0.45±0.12 | ≤15.0               | 0.90±0.12 |
| 1-1/2          | 38.1             | 0.50±0.15 | ≤21                 | 1.00±0.30 |
| 2              | 50.8             | 0.50±0.15 | ≤27                 | 1.00±0.30 |
| 3              | ≥80              | 0.70±0.30 | ≤40.0               | 1.45±0.25 |
| 4              | ≥100             | 0.70±0.30 | ≤50.0               | 1.45±0.25 |

Other sizes are available upon special order.