

HBTM/HBTH Medium Voltage Tubing

Medium/heavy wall tubing for busbar insulation



Shelf life & storage:

Heat Shrink Product provided by Hongshang has a over 5 year's shelf life from date of manufacture when stored in a humidity controlled environment (-10°C to 40°C and <75% relative humidity).

Ordering information:

Standard colors:
Brown Red.

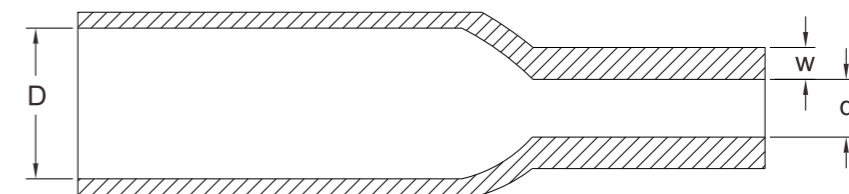
Features:

| | |
|---------------------------|---------------------------------|
| Tracking resistant | UV resistant |
| Flame retardant | Flexible |
| Shrink ratio 2.5:1 | Min. full recovery temp.: 120°C |
| IEC 60684-3-283 compliant | Application up to 36kV |

Typical technical performances:

| Test Items | Test Method | Test Requirements |
|---|----------------------|---------------------------------|
| Tensile strength | ASTM D 2671 | 12MPa min. |
| Ultimate elongation | ASTM D 2671 | 400% min. |
| Tensile strength after Aging at 120°C for 168hrs | ASTM D 2671 | 10MPa min. |
| Ultimate elongation after Aging at 120°C for 168hrs | ASTM D 2671 | 300% min. |
| Density | ASTM D 792 | 1.2~1.3g/cm ³ (nom.) |
| Dielectric strength | IEC 60243 | 12kV/mm(3mm) min. |
| Volume resistivity | IEC 93 | 10 ¹² Ω.cm min. |
| Flammability | IEC 60684-2 Method C | 60sec max. |
| Low temperature flexibility -40°C/4hrs | ASTM D 2671 Proc.C | No cracking |
| Permittivity | IEC 60250 | 5 max. |

Dimensions:



| Size (mm) | As supplied (mm) | | After recovered (mm) | | Standard length | Size (mm) | As supplied (mm) | | After recovered (mm) | | Standard length |
|-----------|------------------|----------|----------------------|--|-----------------|-----------|------------------|----------|----------------------|--|-----------------|
| | D*(Min.) | d*(Max.) | w(Min.) | | | | D*(Min.) | d*(Max.) | w(Min.) | | |

Medium wall tubing-HBTM

| | | | | | | | | | |
|-------|----|----|-----|-----------|--------|-----|----|-----|-----------|
| 15/6 | 15 | 6 | 2.0 | 30m/spool | 100/40 | 100 | 40 | 2.8 | 15m/spool |
| 30/12 | 30 | 12 | 2.3 | 30m/spool | 120/50 | 120 | 50 | 2.8 | 15m/spool |
| 40/16 | 40 | 16 | 2.5 | 30m/spool | 150/60 | 150 | 60 | 3.3 | 1.0-1.5m |
| 50/20 | 50 | 20 | 2.5 | 15m/spool | 205/75 | 205 | 75 | 3.8 | 1.0-1.2m |
| 75/30 | 75 | 30 | 2.6 | 15m/spool | 235/75 | 235 | 75 | 3.8 | 1.0-1.2m |

Heavy wall tubing-HBTH

| | | | | | | | | | |
|-------|----|----|-----|----------|--------|-----|----|-----|----------|
| 25/10 | 25 | 10 | 4.0 | 1.0-1.5m | 120/40 | 120 | 40 | 4.1 | 1.0-1.5m |
| 40/16 | 40 | 16 | 4.0 | 1.0-1.5m | 150/60 | 150 | 60 | 3.9 | 1.0-1.5m |
| 75/25 | 75 | 25 | 4.0 | 1.0-1.5m | 180/75 | 180 | 75 | 4.1 | 1.0-1.2m |

D* = Inner diameter as supplied
d* = Inner diameter after fully recovered

HRA2/HR2
Medium Wall Tubing

HRTM
Medium Wall Tubing

HRA3/HR3
Heavy Wall Tubing

HRTH
Heavy Wall Tubing

HRA-6X
Heavy Wall Tubing

HRS
Medium Wall Tubing

HAT/HATA
Anti-tracking Tubing

HSCT
Semi-conductive Tubing

HSC-100
Stress Control Tubing

HSC-360
Stress Control Tubing

HDWT
Twin Layer Tubing

HTRT
Triple Layer Tubing

HGT
High Insulation Tubing

HEGT
High Insulation Tubing

HOT
Oil Resistant Tubing

HBTM/HBTH
Busbar Insulation Tubing

Mastic tape
Tape 55/
Tape 65/Tape 75

HLB
Low Voltage Breakout

HSEC
Insulating End Cap

HCFT
Cable Feed Thoughts

HCB
Conductive Breakout

HAS/HMB/HMR
Anti-tracking Rain Shed/Breakout/Boot