



HAT/HATA Medium Voltage Tubing

Anti tracking insulation tubing



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:
Red.

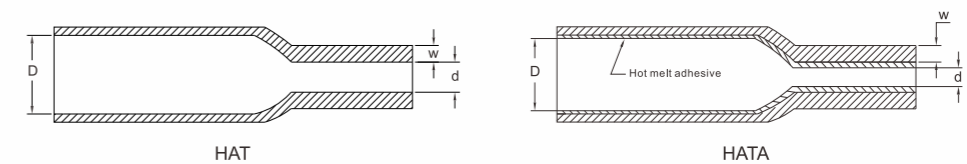
Features:

Anti-tracking	UV resistant
Flame retardant	Flexible
Shrink ratio 3:1	Min. full recovery temp.: 120°C
Application up to 36kV	

Key technical performances:

Test Items	Test Method	Test Requirements
Tensile strength	ASTM D 2671	10MPa min.
Ultimate elongation	ASTM D 2671	200% min.
Tensile strength after Aging at 150°C for 168hrs	ASTM D 2671	10MPa min.
Ultimate elongation after Aging at 150°C for 168hrs	ASTM D 2671	100% min.
Heat shock at 200°C/30min	ASTM D 2671	No cracking, dropping
Density	ASTM D 792	1.2~1.3g/cm ³
Dielectric strength	IEC 60243	10kV/mm(2.5mm) min.
Volume resistivity	ASTM D 2671	10 ¹² Ω.cm min.
Low temperature flexibility -40°C/4hrs	ASTM D 2671 Proc.C	No cracking
Permittivity	ASTM D 150	3 (nom.)
Tracking resistance	ASTM D 2303	No tracking

Dimensions:



Continues length tubing (HAT)					Cut length tubing (HATA)				
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.)	
19/6	19	6	2.5	30m/spool or 0.5-1.5m	65/21	65	21	3.3	30m/spool or 0.5-1.5m
30/10	30	10	2.9	30m/spool or 0.5-1.5m	75/25	75	25	3.5	30m/spool or 0.5-1.5m
38/12	38	12	2.9	30m/spool or 0.5-1.5m	85/29	85	29	3.5	30m/spool or 0.5-1.5m
40/16	40	16	2.9	30m/spool or 0.5-1.5m	100/40	100	40	4.0	0.5-1.5m
49/16	49	16	2.9	30m/spool or 0.5-1.5m	130/50	130	50	4.0	1.0-1.5m
55/18	55	18	2.9	30m/spool or 0.5-1.5m					

Continues length tubing (HAT)					Cut length tubing (HATA)				
Size (mm)	As supplied (mm)	After recovered (mm)		Standard length (m)	Size (mm)	As supplied (mm)	After recovered (mm)		Standard length (m)
	D* (Min.)	d* (Max.)	w (Min.)			D* (Min.)	d* (Max.)	w (Min.)	
30/10	30	10	2.9	1.0-1.5	65/21	65	21	3.3	1.0-1.5
40/12	40	12	2.9	1.0-1.5	75/25	75	25	3.5	1.0-1.5
43/14	43	14	2.9	1.0-1.5	85/29	85	29	3.5	1.0-1.5
49/16	49	16	2.9	1.0-1.5	100/40	100	40	4.0	1.0-1.5
55/18	55	18	2.9	1.0-1.5	130/50	130	50	4.0	1.0-1.5

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

HCBC
Conductive Breakout

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