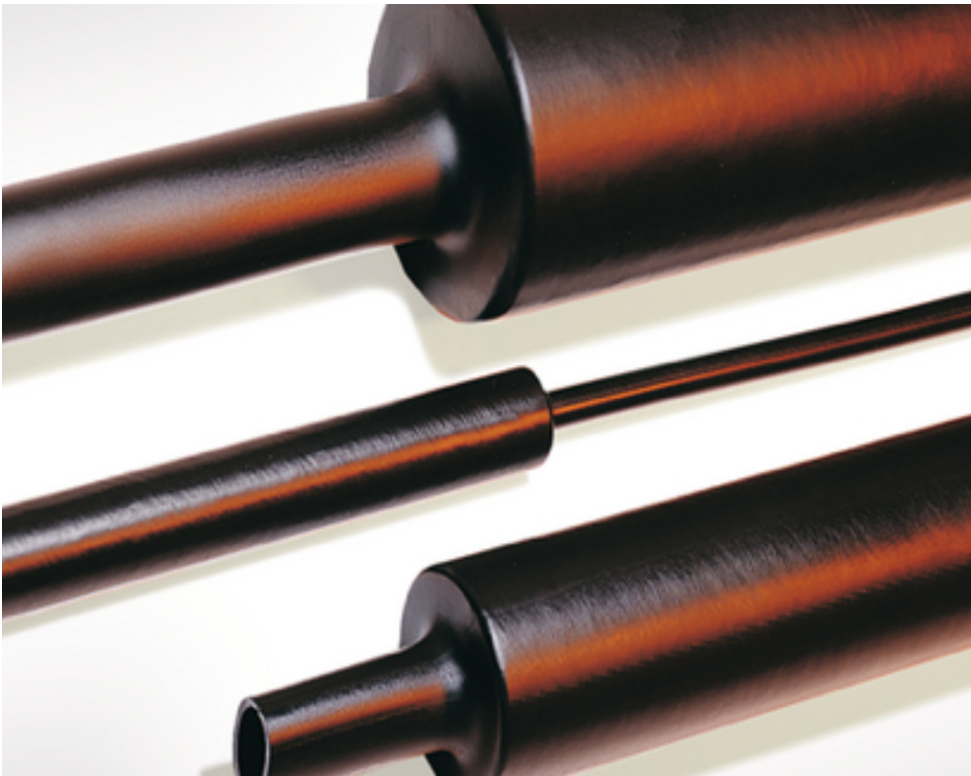


HellermannTyton Thin Wall and Medium Wall Heat Shrink Tubing

For insulation, protection and identification of LV cables and busbars



From adhesive lined heat shrink tubing to transparent heat shrink tubing which allows the identifying elements to remain visible on cables to be insulated, HellermannTyton offers a comprehensive range of heat shrink tubing products that meets the highest international standards.

HellermannTyton provides operators and decision-makers with a solution fit to their specific needs: every piece of HellermannTyton heat shrink tubing makes problems shrink, even before they arise.

HellermannTyton **thin wall heat-shrink tubing** is a cross-linked polyolefin heat-shrink tubing that protects

and insulates cable terminations and busbars as well as providing phase identification.

It has a shrink ratio of 2:1 and is available in six colours in sizes from 1.5 to 100 mm diameter. The material is UV stabilised, flame retarded and self-extinguishing, and resistant to chemical, copper corrosion and fungus.

HellermannTyton MA47 **medium wall heat-shrink** tubing is an adhesive lined cross linked, halogen free polyolefin tubing. It has a shrink ratio of 3.5:1 and is available in sizes from 12 to 140 mm diameter.

The toughness and weatherability of HellermannTyton MA47 medium wall heat-shrink tubing makes it well suited to exposed applications for cable joint protection, cable jacket repair and insulation up to 1000 V.

Product Data Sheet

Technical data

Property	Test Method	Typical value		
		Thin Wall Tubing	MA47 Medium Wall Tubing	MA47 Adhesive Lining
Physical				
Tensile strength	ASTM D638	16 N/mm2	-	-
	IEC 540	-	14 MPa	-
Max elongation	ASTM D638	300%	-	-
	IEC 540	-	400%	-
Water absorption at 25°C	ASTM D570	0.15%	≤0.2%	-
	ISO 62	-	-	≤0.2%
Softening point	ASTM D E8	-	-	85°C
Peel strength	DIN 30672	-	-	10 N / 25 mm
Longitudinal change fully recovered	-	<10%	<10%	-
Thermal				
Operating Temperature	IEC 216	-55°C to +125°C	-55°C to +110°C	-
Thermal shock	ASTM D2671	-	Pass	-
Heat shock at 250°C for 4 hours	-	No dripping, cracking or flowing	-	-
Flammability	UL224 VW1	Pass	-	-
Chemical / solvent resistance				
Fungus	MIL-1-7444	Inert	-	-
Copper corrosion	ASTM D2671 B	Good	-	-
MIND compound	-	-	Excellent	-
Insulating oil	-	-	Very good	-
Paraffin	-	-	Very good	-
Bitumen	-	-	Excellent	-
Electrical				
Dielectric strength	ASTM D2671	≥20 kV/mm	≥20 kV/mm	≥20 kV/mm
Volume resistance	ASTM D257	10 ¹⁶ Ω/cm	10 ¹⁴ Ω/cm	-

Product Data Sheet

Product selection table: thin wall tubing



Hamer code ¹	Inside diameter		Wall thickness	Cut length m	Dispenser box	Spool length m
	D, as supplied mm (nom)	d, fully recovered mm (max)	WT, fully recovered mm (min)		length m	
THS1P500L	1.5	0.75	0.36	1.2	20	200
THS2P500L	2.5	1.2	0.44			
THS300L	3	1.5				
THS3P500L	3.5	1.7			-	
THS500L	5	2.5	0.56		10	100
THS700L	7	3.5				
THS1000L	10	5				
THS1300L	13	6.5	0.69		5	50
THS2000L	20	10	0.78			
THS2500L	25	12.5	0.86			
THS3800L	38	20	0.96		-	25
THS5000L	50	25				
THS7600L	76	38	1.27			
THS10000L	100	50	1.4			

Product selection table: MA47 adhesive-lined medium wall tubing



Hamer code ²	Inside diameter		Wall thickness WT, fully recovered mm (min)	Cut length m
	D, as supplied mm (nom)	d, fully recovered mm (max)		
MHSA12BKL	12	3	2.0	1.2
MHSA19BKL	19	6	2.5	
MHSA30BKL	30	8		
MHSA40BKL	40	12		
MHSA50BKL	50	16	2.7	
MHSA63BKL	63	19	2.8	
MHSA75BKL	75	22	3.0	
MHSA95BKL	95	30		
MHSA115BKL	115	34		
MHSA140BKL	140	42		

Notes

1. Use colour codes: BK = black, BL = blue, CL = clear, RD = red, WT = white, GY = green/yellow
 2. Also available without adhesive lining, use order code: MHSU
- In selecting the right tubing size, consider the "80:20 rule": shrink tubing should recover at least 20% and most 80% of its range

For more information contact your Hamer representative
Hamer Limited reserve the right to amend product details without notice.
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