

STMT24MS – BUS BAR

6÷24 KV

(Shrink ratio > 2÷1)



Halogen Free



Note: knowing the diameter of the object to be covered, the width of the flattened tubing can be calculated using the formula $1.57079 \times \text{diameter}$. Knowing the width of the tubing, the diameter of the object to be covered can be calculated using the formula $0.6366 \times \text{width of tubing}$.

BEFORE SHRINKING	AFTER FREE SHRINKING		Packing in mt/reel
	Internal diameter in mm (D)	Internal diameter in mm (d)	
25	10	2.5	30
30	12	2.65	30
40	16	2.65	30
50	20	2.65	15
65	25	2.85	15
75	30	2.85	15
85	35	2.85	15
100	40	2.85	15
120	50	2.85	15
150	60	2.90	15
175	75	2.90	15

**HEATSHRINKABLE
TUBING FOR MEDIUM
VOLTAGE BUS-BARS OF
MEDIUM THICKNESS**
"SERIES STMT24KVMS"
SHRINK RATIO > 2÷1

General features

The medium wall heatshrinkable cross-linked polyolefin tubing series STMT24KVMS is mainly used for the insulation of medium voltage bus bar until a value of 24KV, from accidental contacts due mainly by the intrusion of small animals. Furthermore, the application of this heatshrinkable tubing optimizes the interior spaces of medium voltage electrical board. In fact assembling the STMT24KVMS heatshrinkable tubing, the distances between a phase and the other will be considerably reduced so that enable the utilization of even more compact control boards. The STMT24KVMS heatshrinkable tubing is Halogen free and that represents a further advantage because, in case of fire, it doesn't emit toxic substances very dangerous for health.



Technical features

• Operating temperature	- 40 °C ÷ +105 °C	
• Shrink ratio	> 2 ÷ 1	
• Flexibility	Excellent	
• Standard color	Redbrick	
• Shrinking temperature	125 °C	
• Longitudinal variation	+5 / -10%	
• Tensile strength	≥ 12Mpa	IN ACCORDANCE WITH ASTM D 2671
• Elongation to break	≥ 400%	IN ACCORDANCE WITH ASTM D 2671
• Density	0.95-1.05	IN ACCORDANCE WITH ASTM D 2671
• Water absorption	≤ 0.2%	IN ACCORDANCE WITH ASTM D 570
• Flexibility low temperature	No cracking	IN ACCORDANCE WITH ASTM D 2671
• Heat shock (200 °C/4 hours)	No drop No flow No cracking	IN ACCORDANCE WITH ASTM D 2671
• Halogen free	CL: 900ppm max Br: 900ppm max	IN ACCORDANCE WITH IEC 61249-2-21
	Total (CL+Br): 1500ppm max	
• Volume resistivity	≥ 10 ¹² Ω.cm	IN ACCORDANCE WITH ASTM D 2671
• Dielectric strength	≥ 16KV / mm	IN ACCORDANCE WITH ASTM D 2671
• Color fastness to light	Compare between exposed and unexposed	IN ACCORDANCE WITH IEC 60684-3
	Parts the color doesn't change	
• Copper corrosion (158 °C/168 hours)	Pass	IN ACCORDANCE WITH IEC 60684-3

REFERENCE TABLE FOR USE OF STMT24KVMS - BUS BAR

Bus bar dimensions (mm)	Single bus bar	Double overlapping bus bar
20x3 25x3	Ø 25/10	Ø 30/12
30x3 30x4	Ø 30/12	Ø 30/12
30x10 40x4	Ø 40/16	Ø 50/20
40x10 50x5 50x6	Ø 50/20	Ø 65/25 (Ø 75/30)
50x8 50x10 60x6 60x8	Ø 65/25 (Ø 75/30)	Ø 75/30 (Ø 85/35)
60x10 80x6 80x8 80x10	Ø 75/30 (Ø 85/35)	Ø 100/40 (Ø 120/50)
100x8 100x10 100x12	Ø 100/40 (Ø 120/50)	Ø 120/50
100x15 120x10 120x12 120x15	Ø 120/50	Ø 150/60
150x12 150x15	Ø 150/60	Ø 175/75

*Note: diameters between brackets have to be considered only in case bus bar present curves.