CBTM/CBTH

INSULATE SEAL PROTECT



MEDIUM VOLTAGE CROSS-LINKED POLYOLEFIN BUS BAR TUBING

Medium and heavy wall anti-track heat shrink tubing specifically designed for insulating medium voltage bus bar

FEATURES AND BENEFITS

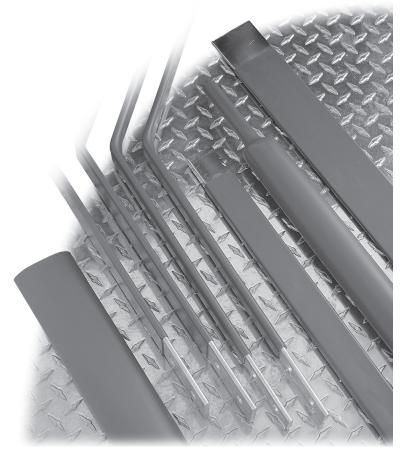
- 3:1 shrink ratio
- Reduces bus bar clearance requirements
- Protects against accidental flashover
- Anti-track
- Halogen free
- CBTM medium wall tubing rated to 25 kV CBTH heavy wall tubing rated to 36 kV
- Continuous operating temperature: -40°C to 125°C
- Shrink temperature: 120°C

STANDARDS

 Tested to ANSI C37.20.2 standards for medium voltage switchgear applications to 36 kV

TYPICAL APPLICATIONS

 Insulation of medium voltage bus bars in switchgear equipment



MEDIUM VOLTAGE CROSS-LINKED POLYOLEFIN BUS BAR TUBING

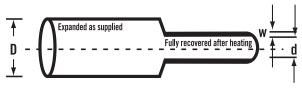
CBTM/CBTH

DIMENSIONS

	Expanded				Recovered				Application Ranges								
Order Num-	Internal Diameter min D		WALL THICKNESS NOM W		INTERNAL DIAM- ETER MAX d		WALL THICKNESS NOM W		*RECTANGULAR BUS BAR				ROUND BUS BAR				
BER									MIN		MAX		MIN		M	AX	
	ММ	IN	ММ	IN	ММ	IN	ММ	IN	ММ	IN	ММ	IN	ММ	IN	ММ	IN	
СВТМ М	edium Wa	LL BUS TUE	BING: FOR S	SERVICES TO	25 KV ON	UNBOLTE	D BUS BAR										
0750	19.0	0.75	1.14	0.045	5.5	0.22	2.70	0.109	6.4	1/4	6.4	1/4	6.8	0.27	15.2	0.60	
1300	33.0	1.30	1.14	0.045	10.1	0.40	2.97	0.117	12.7	1/2	28.5	1 1/8	12.4	0.49	27.9	1.10	
2050	52.0	2.05	1.14	0.045	19.0	0.75	2.79	0.110	31.5	1 1/4	50.8	2	22.3	0.88	43.1	1.70	
2750	69.8	2.75	1.14	0.045	25.4	1.00	2.87	0.115	44.4	1 3/4	76.2	3	29.7	1.17	58.4	2.30	
3500	88.9	3.50	1.14	0.045	29.9	1.18	3.09	0.122	57.1	2 1/4	101.6	4	35.8	1.41	73.6	2.90	
4700	119.3	4.70	1.14	0.045	39.9	1.57	3.20	0.126	73.0	2 7/8	142.8	5 5/8	47.7	1.88	101.6	4.00	
6700	170.1	6.70	1.14	0.045	58.4	2.30	3.17	0.125	114.3	4 1/2	203.2	8	69.5	2.74	144.7	5.70	
СВТН НЕ	avy Wall E	Bus Tubin	G: FOR SER	VICES TO 3	6 KV ON UI	NBOLTED B	US BAR										
1100	27.9	1.10	1.67	0.066	8.9	0.35	3.88	0.153	9.5	3/8	12.7	1/2	10.6	0.42	17.7	0.70	
2000	50.8	2.00	1.57	0.062	16.0	0.63	4.08	0.161	22.2	7/8	34.9	1 3/8	19.3	0.76	33.0	1.30	
2700	68.0	2.68	1.52	0.060	22.1	0.87	4.08	0.161	34.9	1 3/8	50.8	2	26.1	1.05	43.1	1.70	
3500	89.9	3.54	1.52	0.060	29.9	1.18	4.08	0.161	50.8	2	76.2	3	35.8	1.41	58.4	2.30	
4700	119.9	4.72	1.57	0.062	39.9	1.57	4.19	0.165	69.8	2 3/4	111.1	4 3/8	47.7	1.88	81.2	3.20	
6600	167.6	6.60	1.67	0.066	65.0	2.56	4.19	0.165	114.3	4 1/2	177.8	6 1/2	69.5	2.74	124.4	4.90	

^{*}Assume rectangular bus bars have 1/4 in thickness on min application ranges and 5/8 in thickness on max application ranges.

Application ranges noted above selected to obtain minimum insulation thickness required to meet ANSI C37.20.2 withstand requirements at bus bar spacing and operating voltages noted. These spacings were determined from a limited number of test configurations. Due to the wide variety of bus bar configurations, these spacings and recovered wall thicknesses should not be employed by the user without actual verification and testing for the intended application.



CLEARANCES WITH INSULATION

SYSTEM VOLT-		CBTM MEDIU		и Wall Tui	BING	СВ	TH HEAVY	WALL TUBING		
AGE	BIL	P TO P		P TO P P TO G P TO P P TO G		0 G				
	κV	ММ	IN	ММ	IN	ММ	IN	MM	IN	
15 kV	95	86.0	3.4	106.0	4.2	55.0	2.2	66.0	2.6	
25 kV	125	114.0	4.5	152.0	6.0	71.0	2.8	101.0	4.0	
36 kV	150	165.0	6.5	203.0	8.0	142.0	5.6	190.0	7.5	

ORDERING

- Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant
 wall thickness will be less than specified.
- Please specify the product name, order reference number
- Standard is red, printed, unlined, 50 ft lengths (maximum or 1 splice allowed with minimum length of 15 ft)
- Order Example: CBTM, 1300

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.

The second secon