



DBTM/DBTH

Medium and Heavy Wall Red Joint Insulating Tube for the core protection of medium voltage joints up to 36 kV. Tubes should be nested to achieve the required insulation thickness.

Main Features

- Flexible
- Delivers consistent insulation thickness
- Can be used up to 36 kV
- 1 to 4 tubes can be nested to provide insulation thickness to meet or exceed the cable
- DBTM/DBTH can be nested under CFX (extra heavy wall) to reduce the number of tubes needed to achieve the required insulation thickness
- Halogen free
- Flame retardant: ASTM D-2671/B or IEC 684/3/211
- Operating temperature: 120°C
- Shrink temperature: 100°C





Technical Data

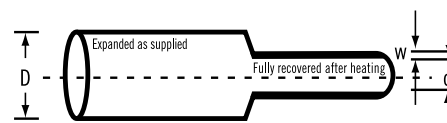
Physical, electrical and chemical properties

Property	Test Method	Typical Performance
Tensile Strength	ASTM D 412 / ISO 37	9 N/mm ² (min.)
Elongation	ASTM D 412 / ISO 37	300%
Heat ageing 168 hrs/175°C		
Tensile Strength	ASTM D 412 /	8 N/mm ² (min.)
Elongation	ISO 37	200% (min.)
Heat Shock (4hrs. At 225°C)	ASTM D 2671	No cracking, no flowing
Low Temperature Flexibility (4hrs. At -40°)	ASTM D 2671	No cracking
Flammability	ANSI C37.20, ASTM D 2671	Pass flame retardant
Dielectric Strength	ASTM D 149 IEC 243	20kV/mm (min)
Volume Resistivity	ASTM D257	10 ¹⁴ ohm.cm
Dielectric constant	ASTM D150	4 (max.)
Water Absorption	ASTM D570	1% (max.)

Dimensions

DBTM

ART. NU.	EXPANDED			RECOVERED			APPLICATION RANGES				MAXIMUM DELIVERABLE LENGTH	
	INTERNAL DIAMETER (MIN)	INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	RECTANGULAR BUS BAR		ROUND BUS BAR		UNLINED	LINED			
	mm	mm	mm	MIN	MAX	MIN	MAX	mm	mm			
DBTM 0350 9/3	9.0	3.0	1.2					4000	150			
DBTM 0500 12/4	12.0	4.0	1.5					4000	500			
DBTM 0750 20/6	20.0	6.0	2.2	6.4	6.4	6.8	15.2	4000	500			
DBTM 0950 25/8	25.0	8.0	2.5	9.5	12.7	12.7	19.1	4000	600			
DBTM 1500 40/15	40.0	15.0	2.5	12.7	28.5	12.4	27.9	4000	1000			
DBTM 2050 50/17	50.0	17.0	2.5	31.5	50.8	22.3	43.1	4000	1000			
DBTM 3000 80/24	80.0	24.0	2.5	50.8	90.6	32.0	63.0	1000	1000			
DBTM 3500 90/34	90.0	34.0	2.5	57.1	101.6	35.8	73.6	1000	1000			
DBTM 4000 110/37	110.0	37.0	2.5	63.0	101.6	42.0	90.6	1000	1000			



DBTH

ART. NU.	EXPANDED			RECOVERED			APPLICATION RANGES				MAXIMUM DELIVERABLE LENGTH	
	INTERNAL DIAMETER (MIN)	INTERNAL DIAMETER (MAX)	WALL THICKNESS (NOM)	RECTANGULAR BUS BAR		ROUND BUS BAR		UNLINED	LINED			
	mm	mm	mm	MIN	MAX	MIN	MAX	mm	mm			
DBTH 0750 20/7	20.0	7.0	2.5					4000				
DBTH 1100 30/8	30.0	8.0	3.0			10.6	17.7	4000				
DBTH 2000 55/18	55.0	18.0	3.5	25.4	34.9	19.3	33.0	1000				
DBTH 2700 65/21	65.0	21.0	3.5	34.9	50.8	26.1	43.1	1000				
DBTH 3500 88/26	88.0	26.0	4.0	50.8	76.2	35.8	58.4	1000				
DBTH 4700 110/37	110.0	37.0	4.5	69.8	111.1	47.7	81.2	1100				
DBTH 6600 150/50	150.0	50.0	4.5	107.9	177.8	69.5	124.4	1100				

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