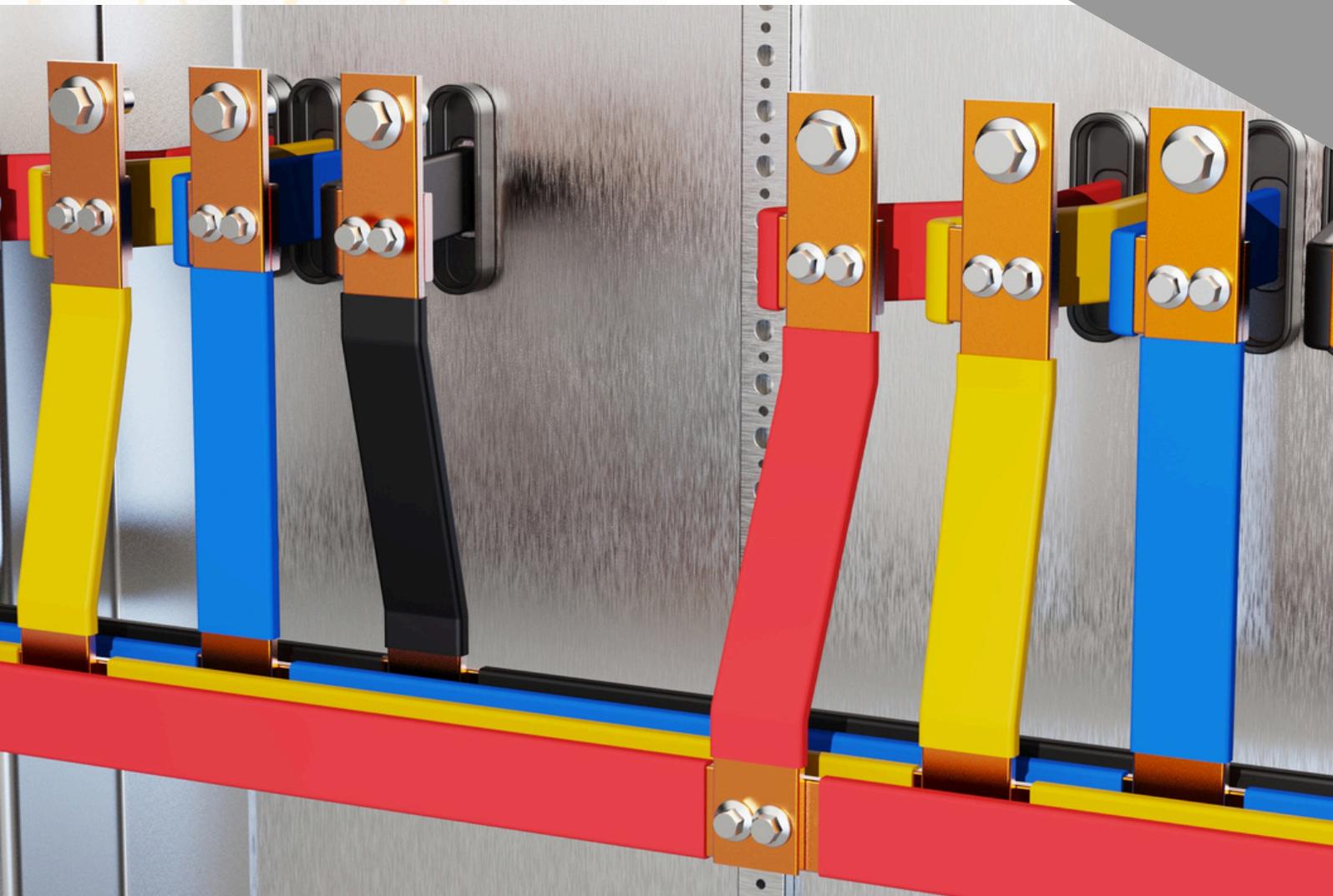




# TECHNICAL DATASHEET

## BUSBAR TUBING



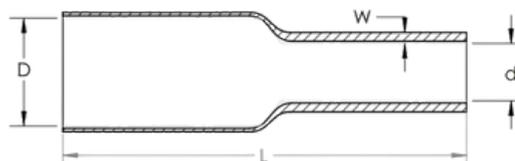
## Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 500%
Longitudinal Shrinkage	ASTM D 2671	0 to -10%
Heat Aging (120°C, 168 hrs)	ASTM D 2671	Tensile Strength $\geq$ 10 MPa, Ultimate Elongation $\geq$ 250%
Dielectric Strength	IEC 243	Minimum 18 kV/mm
Dielectric Constant	IEC 250	Maximum 3.0
Volume Resistivity	IEC 93	Minimum $10^{13}$ $\Omega$ -cm
Flammability (Oxygen Index)	IEC 4589	Minimum 25
Copper Corrosion	UL 224	No corrosion
Cold Bend (-40°C, 4 hrs)	ASTM D 2671	No cracking
Water Absorption (23°C, 14 days)	ISO 62	Maximum 0.5%

## Dimensions

Size (mm)	Supplied (mm)		Recovered (mm)		Standard Length (m)	Size (mm)	Supplied (mm)		Recovered (mm)		Standard Length (m)
	D*(Min.)	d*(Max.)	w(Min.)				D*(Min.)	d*(Max.)	w(Min.)		
<b>Medium wall tubing-NBM</b>											
19/6	19	6	1.9	30m/spool	75/30	75	30	1.9	15m/spool		
25/10	25	10	1.9	30m/spool	100/40	100	40	1.9	15m/spool		
30/12	30	12	1.9	30m/spool	120/50	120	50	2.9	15m/spool		
35/14	35	14	1.9	30m/spool	150/60	150	60	2.9	15m/spool		
40/16	40	16	1.9	30m/spool	180/60	180	60	2.9	1.0-1.5m		
50/20	50	20	1.9	30m/spool	205/75	205	75	3.2	1.0-1.5m		
65/25	65	25	1.9	15m/spool	235/75	235	75	3.2	1.0-1.5m		
<b>Heavy wall tubing-NBT</b>											
19/6	19	6	2.5	15m/spool	65/25	65	25	2.9	15m/spool		
25/10	25	10	2.9	15m/spool	75/30	75	30	2.9	15m/spool		
30/12	30	12	2.9	15m/spool	85/35	85	35	2.9	15m/spool		
35/14	35	14	2.9	15m/spool	100/40	100	40	2.9	15m/spool		
40/16	40	16	2.9	15m/spool	120/50	120	50	2.9	15m/spool		
50/20	50	20	2.9	15m/spool	150/60	150	60	3.0	15m/spool		

D\* = Inner diameter as supplied  
d\* = Inner diameter after fully recovered  
w\* = Outer Layer Wall thickness after fully recovered



### Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 400%
Tensile Strength after Aging (120°C, 168 hrs)	ASTM D 2671	Minimum 10 MPa
Ultimate Elongation after Aging (120°C, 168 hrs)	ASTM D 2671	Minimum 300%
Density	ASTM D 792	Nominal 1.2 – 1.3 g/cm <sup>3</sup>
Dielectric Strength	IEC 60243	Minimum 12 kV/mm (3 mm thick)
Volume Resistivity	IEC 93	Minimum 10 <sup>12</sup> Ω·cm
Flammability	IEC 60684-2 Method C	Maximum 60 seconds
Low Temperature Flexibility (-40°C, 4 hrs)	ASTM D 2671 Proc. C	No cracking
Permittivity	IEC 60250	Maximum 5

### Dimensions



Size (mm)	Supplied (mm)	Recovered (mm)		Standard Length (m)	Size (mm)	Supplied (mm)	Recovered (mm)		Standard Length (m)
	D*(Min.)	d*(Max.)	w(Min.)			D*(Min.)	d*(Max.)	w(Min.)	
<b>Medium wall tubing-NBTM</b>									
15/6	15	6	2.0	30m/spool	100/40	100	40	2.8	15m/spool
30/12	30	12	2.3	30m/spool	120/50	120	50	2.8	15m/spool
40/16	40	16	2.5	30m/spool	150/60	150	60	3.3	1.0-1.5m
50/20	50	20	2.5	15m/spool	205/75	205	75	3.8	1.0-1.2m
75/30	75	30	2.6	15m/spool	235/75	235	75	3.8	1.0-1.2m
<b>Heavy wall tubing-NBTH</b>									
25/10	25	10	4.0	1.0-1.5m	120/40	120	40	4.1	1.0-1.5m
40/16	40	16	4.0	1.0-1.5m	150/60	150	60	3.9	1.0-1.5m
75/25	75	25	4.0	1.0-1.5m	180/75	180	75	4.1	1.0-1.2m

D\* = Inner diameter as supplied  
d\* = Inner diameter after fully recovered  
w\* = Outer Layer Wall thickness after fully recovered

