

WMPG Heat Shrink Busbar Tube



- Manufactured from cross linked polyolefin.
- Used to offer insulation protection for busbar in switchgear and substation.
- Protects against short circuit and electrical leakage caused by small animals.
- Reduces busbar clearance requirements.
- RoHS compliant.
- Shrink temperature: start at 70°C, and fully recovered at 130°C.
- Color: yellow, red, green, blue, black .

Technical Data

Property	Test Method	Standard Value
Heat Shock	160°C, 4h	No Crack
Tensile Strength	ASTM-D-638	≥ 8MPa
Elongation at Break	ASTM-D-638	≥ 300%
Tensile Strength Variation After Heat Aging (130°Cx168h)	ASTM-D-5510	≤ ± 20%
Elongation at Break Variation After Heat Aging (130°Cx168h)	ASTM-D-5510	≤ ± 20%
Flammability (Oxygen Index)	IEC 4589	≥ 30%
Hardness (Shore A)	ISO 868	≤ 90

Electrical Property of Heat Shrink Busbar Tube

Item	Test Method	Standard Value	
		10kV	35kV
Volume Resistivity	IEC 60093	≥ 1x10 ¹⁴ Ω · cm	
Dielectric Strength	IEC 60243	≥ 25kV/mm	
Power Frequency Voltage Withstanding	DL/T 1059	42kV	95kV
Impulse Voltage	DL/T 1059	75kV	185kV





10kV WMPG Series

Spec.	As Supplied/mm		After Recovered/mm		Standard Length /mm(±5)	Application /mm	
	ID (Min)	Wall Thickness (±20%)	ID (Max)	Wall Thickness (±10%)		Width of Rectangular Busbar	Diameter of Circular Busbar
WMPG-20	20	1.0	10	2.4	1000	20	15
WMPG-25	25	1.0	12	2.4	1000	25	15
WMPG-30	30	1.1	14	2.4	1000	30	20
WMPG-40	40	1.0	17	2.4	1000	40	30
WMPG-50	50	1.1	22	2.7	1000	50	35
WMPG-65	65	1.1	28	2.7	1000	65	45
WMPG-75	75	1.1	32	2.7	1000	75	50
WMPG-85	85	1.1	37	2.7	1000	85	65
WMPG-100	100	1.1	43	2.7	1000	100	75
WMPG-120	120	1.1	53	2.7	1000	120	85
WMPG-150	140	1.1	65	2.7	1000	150	100
WMPG-180	180	1.1	75	2.7	1000	180	125
WMPG-210	200	1.1	88	2.7	1000	200	150
WMPG-230	220	1.0	88	2.7	1000	/	/
WMPG-250	250	1.5	107	3.6	1000	/	/
WMPG-300	290	1.3	107	3.8	1000	/	/
WMPG-325	325	1.1	107	3.8	1000	/	/
WMPG-350	350	1.2	159	2.7	1000	/	/
WMPG-400	400	1.2	185	2.7	1000	/	/
WMPG-500	500	1.2	210	3.0	1000	/	/

35kV WMPG Series

Spec.	As Supplied/mm		After Recovered/mm		Standard Length /mm(±5)	Application /mm	
	ID (Min)	Wall Thickness (±20%)	ID (Max)	Wall Thickness (±10%)		Width of Rectangular Busbar	Diameter of Circular Busbar
WMPG-20	20	2.4	10	4.5	1000	20	15
WMPG-25	25	2.0	10	4.5	1000	20	15
WMPG-30	28	2.4	14	4.5	1000	30	20
WMPG-40	38	2.2	17	4.5	1000	40	30
WMPG-50	48	2.2	21	4.8	1000	50	35
WMPG-65	65	2.2	27	5.0	1000	65	45
WMPG-75	73	2.2	31	5.0	1000	75	50
WMPG-85	85	2.0	32	5.0	1000	85	55
WMPG-100	100	2.0	38	5.0	1000	100	75
WMPG-120	120	2.1	50	5.0	1000	120	85
WMPG-150	140	2.1	59	5.0	1000	150	105
WMPG-180	180	2.3	71	5.5	1000	180	125
WMPG-210	200	2.2	88	5.0	1000	200	140
WMPG-230	220	2.0	88	5.0	1000	/	/

Note: Size with * are not standard stock items.