



HALOGEN FREE HEAT SHRINKABLE BUSBAR TUBING

SHRINK RATIO 2:1

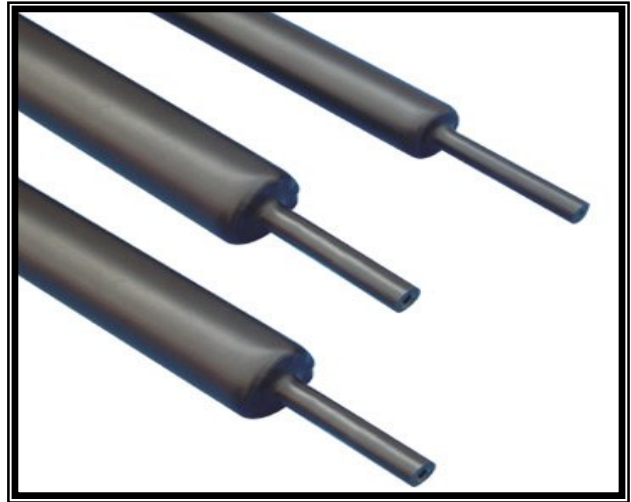
ARC & TRACK RESISTANT

FLAME RETARDENT

RoHS

HALOGEN FREE

BUS-221 is a specially formulated halogen free cross-linked compound.



This product has a special design, which provides excellent resistance to tracking and arcing. **BUS-221** is used to enhance the insulation properties of bus-bar in switchgear and substation. Shrinks to fit rectangular and square bus bars.

BUS-221 Applications

Bus Bar Insulation

Split Resistance

Characteristics

Operating Temperature: -55° to 125° Celsius

Minimum Full Recovery: 110°

Shrink Ratio: 2:1

Environmentally Friendly

Colors: Standard Packages Available in Black, Colors Available Upon Request

Specifications

Standard Wall

Gamma	Inside Diameter				Recovered Wall Thickness		Standard Packaging	Busbar
Part No.	Minimum Expanded as Supplied		Maximum Recovered After Heating		After Heating		Packaging	Application
W/ Size	mm	inch	mm	inch	mm	inch	Spools	Dimensions
BUS-221-1	25	0.98	10	0.39	2.0	0.079	100'	25*3mm
BUS-221-13/16	30	1.18	12	0.47	2.0	0.079	100'	35*4mm
BUS-221-13/8	35	1.38	14	0.55	2.0	0.079	100'	35*4mm
BUS-221-11/2	40	1.57	16	0.63	2.0	0.079	100'	40*5mm
BUS-221-2	50	1.97	20	0.79	2.0	0.079	50'	50*5mm
BUS-221-21/2	65	2.56	25	0.98	2.0	0.079	50'	65*8mm
BUS-221-3	75	2.95	30	1.18	2.0	0.079	50'	75*8mm
BUS-221-4	100	3.94	40	1.57	2.0	0.079	50'	100*10mm

Heavy Wall

Gamma	Inside Diameter				Recovered Wall Thickness		Standard Packaging	Busbar
Part No.	Minimum Expanded as Supplied		Maximum Recovered After Heating		After Heating		Packaging	Application
W/ Size	mm	inch	mm	inch	mm	inch	Spools	Dimensions
BUS-221HW-5/8	15	0.59	6	0.24	3.0	0.118	50'	15*3
BUS-221HW-1	25	0.98	10	0.39	3.0	0.118	50'	25*3mm
BUS-221HW-13/16	30	1.18	12	0.47	3.0	0.118	50'	35*4mm
BUS-221HW-13/8	35	1.38	14	0.55	3.0	0.118	50'	35*4mm
BUS-221HW-11/2	40	1.57	16	0.63	3.0	0.118	50'	40*5mm
BUS-221HW-2	50	1.97	20	0.79	3.0	0.118	50'	50*5mm
BUS-221HW-21/2	65	2.56	25	0.98	3.0	0.118	50'	65*8mm
BUS-221HW-3	75	2.95	30	1.18	3.0	0.118	50'	75*8mm
BUS-221HW-4	100	3.94	40	1.57	3.0	0.118	50'	100*10mm
BUS-221HW-43/4	120	4.72	50	1.97	3.0	0.118	25'	120*12mm
BUS-221HW-6	150	5.9	60	2.36	3.0	0.118	25'	150*15mm

Properties

Property	Test Method	Standard
Tensile Strength	ASTM D 2671	≥11.8MPa
Tensile Strength After Aging	ASTM D 2671 / 120°C, 168hrs	≥10MPa
Elongation at Break	ASTM D 2671	700%
Elongation at Break after Aging	120°C, 168hrs	≥500%
Longitudinal Shrinkage	ASTM D 2671	0 to -10%
Longitudinal Shrinkage	ASTM D 2671	0 to -10%
Dielectric Constant	IEC 250	Max 3.0
Dielectric Strength	IEC 243	>20KV/mm
Volume Resistance	IEC 93	>10 ¹³ .cm
Flammability (oxygen Index)	ASTM D 4589	≥25
Copper Corrosion	ASTM D 2671	120°C, 168hrs, no corrosion
Cold Bend	ASTM D 2671	40°C, 4hrs, no cracking
Water Absorption	ISO 62 / 23C, 14 days	0.50%

Color Code: 0=BLK, 1=BRN, 2=RED, 3=ORN, 4=YLW, 5=GRN, 6=BLU, 7=VIO, 8=GRY, 9=WHT, X=CLR
P/N Example: BUS-221-2-0 = 2" ID Black 2:1 Heat Shrink Tubing

Property of Gamma Electronics
www.gammaelectronics.net