

THIN WALL TUBES

GSC Series:

- Light duty wire harnessing for electrical & electronic applications.
- Provides electrical insulation and protection for in-line components.
- Used as strain relief for electrical wire connection.
- Bus-bar insulation for switchgear.
- Color coding for wires, cables, terminals and components.



GSC/YG Series:

GSC/YG range of tubing is extremely flexible, flame-retardant, thin wall with yellow and green striped heat shrink polyolefin tubing especially for electrical equipment ground lead applications. The unique dual color striping of yellow and green provides an instant identification for ground wires.

GENERAL PROPERTIES OF PRODUCT:

- Halogen free, Flame retardant and self-extinguishing
- For Electrical Insulation up to 3.3 kV
- Resistance to chemical, copper corrosion and fungus
- Standard Colors: Black, White, Yellow, Red, Blue, Green, Yellow/Green and Clear.
- Shrink ratio 2:1
- UV stabilized
- Meets RoHS Compliance

SPECIFICATIONS:

MIL-1-23053/5 Class 2 & 3, UL224 (File no. E328538) 1250C

TECHNICAL DATA

PROPERTIES	TYPICAL VALUE	TEST METHOD
PHYSICAL		
Tensile Strength	9 N/mm ² (Min.)	ASTM-D-638
Ultimate Elongation	300%(Min.)	ASTM-D-638
Water Absorption	0.15% (Max.)	ASTM-D-570
Specific Gravity	1.4	ASTM-D-792
Longitudinal Change	-10% (Max.)	ASTM-D-638
THERMAL		
Operating Temperature	-55°C to 125°C	IEC216
Heat Shock 250 °C for 4 hrs	No dripping, Cracking or flowing	
Low Temperature Flexibility -55°C to 125°C	No cracking	ASTM-D-2671
Flammability	Pass	UL224 VW1
CHEMICAL		
Fungus Resistance	Inert	MIL-1-7444
Copper Corrosion	Good	ASTM-D-2671-B
Chemical Resistance	Good	ASTM-D-2671
ELECTRICAL		
Dielectric Strength	>20kv/mm	ASTM-D-2671
Dielectric Constant	3.0 (Max.)	ASTM-D-150
Volume Resistivity	10 ¹³ Ohm cm(Min.)	ASTM-D-257



THIN WALL TUBES SELECTION CHART

PART	INTERNAL DIAMETER (mm)		RECOVERED WALL	PACKING CONFIGURATIONS	
	Number/size	Supplied	Recovered	Thickness (mm)	Spools Meters/Spool
GSC 1.0/0.5	1.0 mm	0.5	0.28 mm	400	600
GSC 1.5/0.75	1.5 mm	0.75	0.32 mm	400	600
GSC 2.0/1.0	2.0 mm	1.0	0.35 mm	400	600
GSC 2.5/1.2	2.5 mm	1.2	0.44 mm	400	600
GSC 3.0/1.5	3.0 mm	1.5	0.44 mm	400	500
GSC 4.0/2.0	4.0 mm	2.0	0.44 mm	400	250
GSC 5.0/2.5	5.0 mm	2.5	0.56 mm	200	250
GSC 6.0/3.0	6.0 mm	3.0	0.56 mm	200	200
GSC 7.0/3.5	7.0 mm	3.5	0.56 mm	100	200
GSC 8.0/4.0	8.0 mm	4.0	0.56 mm	100	175
GSC 10.0/5.0	10.0 mm	5.0	0.56 mm	1000	150
GSC 12.7/6.35	12.7 mm	6.35	0.56 mm	100	120
GSC 14.0/7.0	14.0 mm	7.0	0.69 mm	100	100
GSC 16.0/8.0	16.0 mm	8.0	0.69 mm	100	100
GSC 18.0/9.0	18.0 mm	9.0	0.69 mm	100	80
GSC 20.0/10.0	20.0 mm	10.0	0.78 mm	100	65
GSC 25.0/12.5	25.0 mm	12.5	0.78 mm	50	40
GSC 30.0/15.0	30.0 mm	15.0	0.87 mm	50	30
GSC 40.0/20.0	40.0 mm	20.0	0.97 mm	50	20
GSC 50.0/25.0	50.0 mm	25.0	0.97 mm	25	15
GSC 60.0/25.0	60.0 mm	30.0	0.96 mm	25	15
GSC 70.0/35.0	70.0 mm	35.0	1.10 mm	25	10
GSC 80.0/40.0	80.0 mm	40.0	1.27 mm	25	10
GSC 100/50.0	100.0 mm	50.0	1.17 mm	25	5