



GSC & GSC/YG are Heat Shrink Thin Wall Tubes suitable for below applications:

### 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 insulations 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 colour striping of yellow and green provides an instant identification for ground wires.

### Technical Specification\*

PROPERTIES	VALUE	STANDARD
<b>Physical</b>		
Tensile Strength	9 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	300% (min.)	ASTM D638
Water Absorption	0.15% (max.)	ASTM D570
Specific Gravity	1.4	ASTM D792
Longitudinal Change	-10% (max.)	ASTM D638
<b>Thermal</b>		
Operating Temperature	-55°C to +125°C	IEC 216
Heat Shock (250°C for 4 hrs.)	No dripping, cracking or flowing	
Low Temperature Flexibility (-55°C for 4 hrs.)	No Cracking	ASTM D2671
Flammability	Pass	UL224 VW-1
<b>Chemical</b>		
Fungus Resistance	Inert	MIL-1-7444
Copper Corrosion	Good	ASTM D2671B
Chemical Resistance	Good	ASTM D2671
<b>Electrical</b>		
Dielectric Strength	>20kV/mm.	ASTM D2671
Di-electric Constant	3.0 (max.)	ASTM D150
Volume Resistivity	1 x 10 <sup>13</sup> Ohm.cm (min.)	ASTM D257

### Selection Chart

Part Number / Size	Supplied I.D. (mm)	Recovered I.D. (mm)	Recovered Wall Thickness (mm)	Spools Mtr. / Spool	Cut Length 1.2 Mtr./Box
GSC 1.0/0.5	1.0	0.5	0.28	400	600
GSC 1.5/0.75	1.5	0.75	0.32	400	600
GSC 2.0/1.0	2.0	1.0	0.35	400	600
GSC 2.5/1.2	2.5	1.2	0.44	400	600
GSC 3.0/1.5	3.0	1.5	0.44	400	500
GSC 4.0/2.0	4.0	2.0	0.44	400	250
GSC 5.0/2.5	5.0	2.5	0.56	200	250
GSC 6.0/3.0	6.0	3.0	0.56	200	200
GSC 7.0/3.5	7.0	3.5	0.56	100	200
GSC 8.0/4.0	8.0	4.0	0.56	100	175
GSC 10.0/5.0	10.0	5.0	0.56	100	150
GSC 12.7/6.35	12.7	6.35	0.56	100	120
GSC 14.0/7.0	14.0	7.0	0.69	100	100
GSC 16.0/8.0	16.0	8.0	0.69	100	100
GSC 18.0/9.0	18.0	9.0	0.69	100	80
GSC 20.0/10.0	20.0	10.0	0.78	100	65
GSC 25.0/12.5	25.0	12.5	0.78	50	40
GSC 30.0/15.0	30.0	15.0	0.87	50	30
GSC 40.0/20.0	40.0	20.0	0.97	50	20
GSC 50.0/25.0	50.0	25.0	0.97	25	15
GSC 60.0/30.0	60.0	30.0	0.96	25	10
GSC 70.0/35.0	70.0	35.0	1.10	25	10
GSC 80.0/40.0	80.0	40.0	1.27	25	10
GSC 100/50.0	100.0	50.0	1.17	25	5

\* Code for Y/G Striped Tubes - GSC/YG

### General Product Properties:

- 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 and Yellow/Green.
- Shrink ratio 2:1.
- UV stabilized.
- Meets RoHS Compliance.

### Specifications :

MIL-I-23053/5 Class 2 & 3, 125°C VW-1, UI224 (File no. E328193), CSA C22.2

