

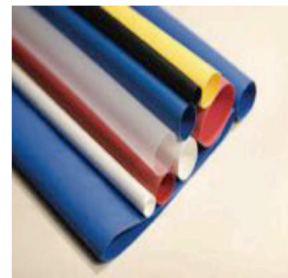
# SCG -HF Thin Wall Flame Retarded Halogen Free Tubing

## APPLICATIONS:

SCG-HF is a Low Smoke Halogen Free Flame retarded Tube. Designed to be used in critical areas such as Tunnels and Mines where flame resistance and halogen free are required.

## GENERAL PROPERTIES OF PRODUCT:

- Shrink ratio 2:1
- Halogen Free
- Flame Retarded
- Standard Colors: Black, White, Yellow, Red, Blue.
- Other colors available upon request.
- Meet ROHS Compliance



## SPECIFICATIONS:

**Spec:** MIL-1-23053/5 Class 2 & 3,  
UL224 125 deg. C VW1, CSA C22.2 No. 198.1 OFT

## PRODUCT DIMENSIONS:

Part Number / Size	Supplied I.D.mm	Recovered I.D.mm	Recovered Wall Thickness(mm)	Meters/Spool
SCG 1.0/0.5	1.0 mm	0.5 mm	0.36 mm	200 m
SCG 1.5/0.75	1.5 mm	0.75 mm	0.36 mm	200 m
SCG 2.0/1.0	2.0 mm	1.0 mm	0.44 mm	200 m
SCG 2.5/1.2	2.5 mm	1.2 mm	0.44 mm	200 m
SCG 3.0/1.5	3.0 mm	1.5 mm	0.44 mm	200 m
SCG 3.5/1.7	3.5 mm	1.7 mm	0.44 mm	200 m
SCG4.0/2.0	4.0 mm	2.0 mm	0.44 mm	200m
SCG 5.0/2.5	5.0 mm	2.5 mm	0.56 mm	100 m
SCG 6.0/3.0	6.0 mm	3.0 mm	0.56 mm	100 m
SCG 7.0/3.5	7.0 mm	3.5 mm	0.56 mm	50 m
SCG 8.0/4.0	8.0 mm	4.0 mm	0.56 mm	50 m
SCG 9.0/4.5	9.0 mm	4.5 mm	0.56 mm	50 m
SCG 10.0/5.0	10.0 mm	5.0 mm	0.56 mm	50 m
SCG 12.0/6.0	12.0 mm	6.0 mm	0.56 mm	50 m
SCG 13.0/6.5	13.0 mm	6.5 mm	0.69 mm	50 m
SCG 14.0/7.0	14.0 mm	7.0 mm	0.69 mm	50 m
SCG 16.0/8.0	16.0 mm	8.0 mm	0.69 mm	50 m
SCG 18.0/9.0	18.0 mm	9.0 mm	0.78 mm	50 m
SCG 20.0/10.0	20.0 mm	10.0 mm	0.78 mm	50 m
SCG 22.0/11.0	22.0 mm	11.0 mm	0.78 mm	50 m
SCG 25.0/12.5	25.0 mm	12.5 mm	0.86 mm	50 m
SCG 30.0/15.0	30.0 mm	15.0 mm	0.86 mm	50 m
SCG 40.0/20.0	40.0 mm	20.0 mm	0.96 mm	25 m
SCG 50.0/25.0	50.0 mm	25.0 mm	0.96 mm	25 m
SCG 76.0/38.0	76.0 mm	38.0 mm	1.27 mm	25 m
SCG 100/50.0	100.0 mm	50.0 mm	1.40 mm	25 m

Note: Tubes with I.D sizes: SCG 7.0/3.5mm to SCG 22.0/11.0mm are packed in 100 meters per spool for the Asia Pacific Market

## Product Technical Data

PROPERTIES	TEST METHOD	TYPICAL VALUE
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**Physical:**

Tensile Strength	IEC 60684-2	10 Mpa.
Water Absorption	ASTM-D-570	.2%
Elongation	ISO37	220%
Elongation After Heat aging(168hrs@158 °C)	ISO37	150%
Elongation After Heat Shock4hrs@150 °C)	ISO37	100%
Low Temperature Flexibility	ASTM-D-2671	-55 °C
Specific Gravity	ISO/R 1183	1.45
Longitudinal Change	ASTM-D-638	+/-10%
Flammability	UL-VW1	Pass

**Thermal:**

Operating Temperature	IEC216	-55°C to +125°C
Heat Shock@ 200 °C 4 hrs		No dripping, cracking or flowing

**Chemical:**

Fungus Resistance	MIL-1-7444	Inert
Copper Corrosion	ASTM D 2671 B	XX
Chemical Resistance		X

**Electrical :**

Dielectric Strength	ASTM-D-2671	>20kV / mm
Dielectric Constant	ASTM-D-150	3.0 Max.
Volume Resistance	ASTM-D-257	10 <sup>14</sup> Ohm/cm

**Flamability:**

Not Self Extinguishing	1
Flame Retarded	2
Self Extinguishing	3

**Chemical Resistance and Copper Corrosion:**

X	Satisfactory
XX	Good
XXX	Excellent

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