

Product:

Heat Shrink - SCG Thin Wall Flame Retarded Tube

Applications:

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

General:

- Shrink ratio 2:1, (SCGH 3:1)
- Flame retarded and self extinguishing (Except Clear)
- Rated for up to 600 volts
- Resistance to chemical, copper corrosion and fungus
- UV stabilised
- Wide range of colours
- Meets ROHS compliance (except Green and Yellow)

Specifications:

Mil-1-23053/5 Class 2&3

UL224, 125°C VW1

CSA C22.2 No. 198.1 OFT

| Product Technical Data | | |
|-------------------------------|----------------------------------|-------------------------|
| Properties | Test Method | Typical value |
| Tensile strength | ASTM-D-638 | 16 N/mm ² |
| Water Absorption | ASTM-D-570 | 0.15% Max |
| Elongation | ASTM-D-638 | 300% |
| Low Temperature Flexibility | ASTM-D-2671 | -55°C |
| Specific Gravity | ASTM-D-792 | 1.4 |
| Longitudinal Change | ASTM-D-638 | >3% |
| Flammability | UL2324-VW1 | Pass |
| Operating Temperature | IEC216 | -55°C to +125°C |
| Heat Shock @ 250°C 4 hours | No dripping, cracking or flowing | |
| Fungus Resistance | MIL-1-7444 | Inert |
| Copper Corrosion | ASTM-D-2671 B | Good |
| Chemical Resistance | Good | |
| Dielectric Strength | ASTM-D-2671 | >20kV/mm |
| Dielectric Constant | ASTM-D-150 | 3.0 Max |
| Volume Resistance | ASTM-D-257 | 10 ¹⁶ Ohm/cm |

| Heat Shrink Tube to Lay Flat Internal Dimensions | | | | | |
|--|-------------|---------|-------------|---------|-------------|
| Tube ID | Lay Flat ID | Tube ID | Lay Flat ID | Tube ID | Lay Flat ID |
| 5mm | 8mm | 20mm | 31mm | 76mm | 119mm |
| 7mm | 11mm | 25mm | 39mm | 100mm | 157mm |
| 10mm | 16mm | 30mm | 47mm | 125mm | 196mm |
| 13mm | 20mm | 40mm | 63mm | | |
| 16mm | 25mm | 50mm | 79mm | | |

| Bus Bar Thickness | 12mm | 19mm | 25mm | 38mm | 51mm | 76mm | 102mm | 125mm | 152mm |
|----------------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | 3.2mm | SCG13 | SCG20 | SCG25 | SCG40 | SCG50 | SCG76 | SCG100 | SCG100 |
| 4.8mm | SCG13 | SCG20 | SCG25 | SCG40 | SCG50 | SCG76 | SCG100 | SCG100 | SCG125 |
| 6.4mm | | SCG20 | SCG25 | SCG40 | SCG50 | SCG76 | SCG100 | SCG100 | SCG125 |
| 9.5mm | | SCG20 | | SCG40 | SCG50 | SCG76 | SCG100 | SCG100 | SCG125 |
| 12.7mm | | SCG20 | | | SCG50 | SCG76 | SCG100 | SCG100 | SCG125 |

| Heat Shrink Diameter for Copper Lug or Link Barrel Insulation | | |
|---|------------------------|-------------------------|
| Red2Go Sleeve Part Number | Red2Go Lug Part Number | Heat Shrink Part Number |
| CS1.5 | CL1.5 | SCG3.5 |
| CS2.5 | CL2.5 | SCG5 |
| CS4 | CL4 | SCG7 |
| CS6 | CL6 | SCG7 |
| CS10 | CL10 | SCG10 |
| CS16 | CL16 | SCG10 |
| CS25 | CL25 | SCG13 |
| CS35 | CL35 | SCG20 |
| CS50 | CL50 | SCG20 |
| CS70 | CL70 | SCG20 |
| CS95 | CL95 | SCG20 |
| CS120 | CL120 | SCG25 |
| CS150 | CL150 | SCG25 |
| CS185 | CL185 | SCG25 |
| CS240 | CL240 | SCG40 |
| CS300 | CL300 | SCG40 |
| | CL400 | SCG40 |
| | CL500 | SCG40 |
| | CL630 | SCG50 |

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