

Silicone Fiberglass Sleeving MISCO

CB-SGS

CB-SGS series tubing is a UL rated, flexible, flame retardant, halogen-free and comprised of silicone resin continuously coated on electrical grade braided fiberglass tubing. CB-SGS is widely used in many consumer appliances, lighting fixtures, stoves, oven and furnace controls, relays, breaker panels, switchgear, and other commercial and industrial equipment.

Silicone fiberglass sleeving is made of E-glass fibres woven into a tube, the coated with silicone high temperature. Has good insulation, flame resistance and softness, are widely used in H & N-motor, household appliances, heating equipment, special lighting, television, and electronic equipment inside line cluster insulation protection.

Certifications: UL1441

| Item | Performance parameters |
|---|--|
| Products Size | Φ0.5-Φ35.0 |
| Continuous use temperature range | -10°C- + 200°C |
| Temperature resistance | 200°C±2°C、168≥1/2 Original voltage value |
| Thermal aging | 260 °C, 6 hours, and no crack |
| Cold bending | No cracks |
| Horizontal burning | <30s |
| combustion (VW-1) | <30s |
| Hydrolytic stability | Not sticky, no distortion, no softening |

Technical Specifications

| Model / certification number | Test Conditions | Burning resistance | Temperature resistance | Breakdown voltage level | The average voltage | Individual values |
|------------------------------|-----------------|--------------------|------------------------|-------------------------|---------------------|-------------------|
| SGS-15 E233804 | UL1441 | UL VW-1 | -10°C~+200°C | D | 1500V | 1000V |
| SGS-25 E233804 | UL1441 | UL VW-1 | -10°C~+200°C | C | 2500V | 1800V |
| SRS-40 E233803 | UL1441 | UL VW-1 | -10°C~+200°C | B | 4000V | 2500V |
| SRS-70 E233803 | UL1441 | UL VW-1 | -10°C~+200°C | A | 7000V | 5000V |

Specifications

| Inner diameter (mm) | | Wall thickness (mm) | | |
|---------------------|-----------|---------------------|-----------|-----------|
| Nominal | Tolerance | A level | B level | C、D level |
| 0.5-2.5 | 0.20±0.05 | 0.45±0.05 | 0.40±0.05 | 0.35±0.05 |
| 2.5-3.0 | 0.25±0.05 | 0.50±0.05 | 0.40±0.05 | 0.35±0.05 |
| 3.5-5.0 | 0.35±0.05 | 0.55±0.05 | 0.50±0.05 | 0.42±0.05 |
| 6.0-9.0 | 0.50±0.05 | 0.60±0.05 | 0.55±0.05 | 0.45±0.05 |
| 10.0-12.0 | 0.70±0.05 | 0.65±0.05 | 0.60±0.05 | 0.53±0.05 |
| 13.0-20.0 | 0.80±0.05 | 0.70±0.05 | 0.65±0.05 | 0.56±0.05 |
| 22.0-35.0 | 0.90±0.05 | 1.05±0.05 | 1.00±0.05 | 0.70±0.05 |

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