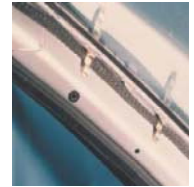


HILLTOP

SILENTSLEEVE



Highly flexible, light and expandable Sleeving used to suppress noise on wire harnesses and cables.



Features and Benefits

- Expandable tubular sleeve
- Self Extinguishing
- Excellent noise suppression
- Extremely lightweight
- Highly expandable

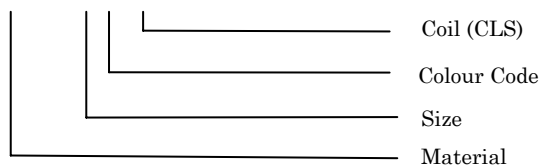
Applications

Silentsleeve is braided from a combination of monofilament polyester strands and textured multifilament polyester yarns. When installed on wire harnesses and cables, this construction provides a sound dampening and anti-rattle effect greatly reducing the noise generated by vehicle vibration. Silentsleeve is easy to apply and one size fits many applications since it readily expands. In addition, the open weave construction prevents condensation. The carefully calculated mix of strands provides a balance of key features including flexibility, expandability, and noise suppression. These features optimize the handling properties of the sleeving and assure a longer service life for the final assembly.

Standard Colours & Colour Codes

| | |
|---------|--|
| 0-Black | |
| | |
| | |

SILENTSLEEVE-3.0-0-CLS



| Size | Recommended Application Range Diameter | | Max Diameter Expansion | Ordering Description |
|------|--|-------|------------------------|-----------------------------------|
| | Min Ø | Max Ø | | |
| mm | mm | mm | mm | |
| 3 | 1 | 4 | 7 | SILENTSLEEVE-3.0-colour code-CLS |
| 6 | 2 | 6 | 15 | SILENTSLEEVE-6.0-colour code-CLS |
| 14 | 6 | 10 | 20 | SILENTSLEEVE-14.0-colour code-CLS |
| 18 | 10 | 14 | 30 | SILENTSLEEVE-18.0-colour code-CLS |
| 22 | 12 | 16 | 48 | SILENTSLEEVE-22.0-colour code-CLS |

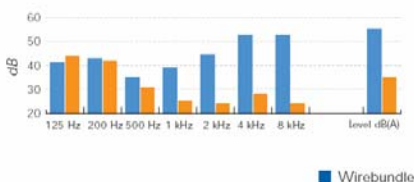
Performance

| TEST | TEST METHOD | TYPICAL PERFORMANCE |
|---------------------------|-----------------------|--|
| Temperature Rating | | -50°C to 150°C |
| Ageing (3000 Hrs @ 150°C) | ISO 6722 | Neither any visible degradation or loss of flexibility Shrinkage < 10% |
| Flame Resistance | FMVSS 302 D45 1333 | Test Method Self Extinguishing Type B |
| Fluid Resistance | Test Method D47 1924 | No visible degradation or alteration after being exposed to the following test cycles: |

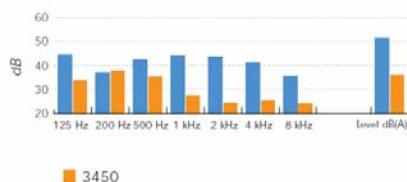
The largest size which will recover snugly over the component to be covered should be ordered. The wall thickness of the tubing will be less than specified if recovery is restricted during shrinkage. Other lengths, sizes and non-standard colours may be available subject to special orders.

ACOUSTIC PERFORMANCE

Rattling Test



Rubbing Test



- Immersion for 15 secs @ 22°C followed by a drying period of 24 Hrs @ 150°C: motor oil, protection oil, automatic transmission fluid, mineral hydraulic fluid, zinc chloride (drying @ 23°C)

-Immersion for 2 Hrs @ 70°C (in vapour) followed by a drying period of 4Hrs @ 23°C: battery fluid

-Immersion for 24 Hrs @ 70°C: windscreen washer and at 118°C: engine coolant

-Immersion for 24 Hrs @ 40°C: standard fuel, unloaded petrol 98, diesel