

HILEC 900
BRAIDED PET MONOFILAMENT SLEEVING

THERMAL CLASS: 125°C

UL FILE E103867

CSA LR94072

DESCRIPTION

HILEC 900 is a lightweight, braided monofilament sleeving of polyethylene terephthalate (PET) that offers excellent abrasion and cut-through resistance as well as inertness to most chemicals and fungus. Its easy pullover application makes **HILEC 900** easier to use than heat shrink tubing, zipper tubing or spiral wrap protection. **HILEC 900** is available in a wide range of sizes for protecting wire bundles and harnesses ranging from 1/8" through 3 _" O.D.

RECOMMENDED USE

HILEC 900 is recommended for use over wires, tubing, cables, wire bundles, wire harnesses, and pneumatic hoses to provide tough, durable protection and convenient, low profile bundling of bulky, multiple elements. **HILEC 900** is also used as pull-sleeve for wire and cable processing.

FEATURES

- **HILEC 900** is rated for continuous service from -70°C through 125°C. and will tolerate short-term exposure up to 230°C.
- **HILEC 900** stretches and contracts to accommodate irregular shapes and sizes. A single sleeve size can stretch to encase bundles with diameters up to three times its own I.D.
- **HILEC 900** contracts to a snug fit producing a compact bundle with a smooth resilient cover, which prevents snagging during installation in cabinets and equipment.
- **HILEC 900** can be flexed repeatedly without losing its physical properties. Its open braid construction affords ventilation, preventing trapping of heat or moisture.
- **HILEC 900** is naturally slick allowing it to slide easily and quickly over end fittings and connectors, reducing labor cost. Bundled elements move freely within the sleeve reducing strain
- **HILEC 900** resists chafing, abrasion, cut-through, flexure-fatigue, and heat degradation
- **HILEC 900** adds minimal weight, bulk and cost to wire harnesses.

(over)

The above data is informational only and should not be used for specification purposes.

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HILEC 900...(cont.)

PHYSICAL PROPERTIES (strand)

| PROPERTY | ASTM METHOD | TYPICAL VALUES |
|--------------------------------|--------------------|-----------------------|
| Strand Diameter | - | .010" |
| Tensile Strength, PSI | D-876 | 100,000 |
| Elongation, % | D-876 | 20 |
| Specific Gravity | D-792 | 1.31 |
| Moisture absorption, 24 hrs, % | D-570 | 0.08 |
| Fungus Resistance MIL I-631 | - | 0.1 |
| Melt Temperature, °C | D-2217 | 260 |

AVAILABILITY

• **SIZES**

| <u>NOMINAL ID</u> | <u>BUNDLE DIAMETER</u> | |
|--------------------------|-------------------------------|-------------------|
| | <u>MIN</u> | <u>MAX</u> |
| 1/8 | 3/32 | 1/4 |
| 1/4 | 1/8 | 3/8 |
| 3/8 | 3/16 | 5/8 |
| 1/2 | 1/4 | 3/4 |
| 3/4 | 1/2 | 1-1/4 |
| 1-1/4 | 3/4 | 1-3/4 |
| 1-3/4 | 1 | 2-1/4 |
| 2 | 1-1/4 | 2-3/4 |

LARGER SIZES AVAILABLE UPON REQUEST

- **CONSTRUCTION:** **HILEC 900** is available in a **HEAVY-WALL** version to provide twice the wear resistance. Order as **HILEC 950**
- **COLORS:** **HILEC 900** is available in black, white and clear. A range of other colors, including neon is available subject to minimum order quantities.
- **BRANDNAMES:** **HILEC 900** is also available as **FLEXI-WEAVE™ GP** and **VOL-X-SPAN™ PET.**

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