



## F6® WOVEN WRAP

### WOVEN, SPLIT TUBULAR HARNESS WRAP · HIGH COVERAGE, SELF-WRAPPING DESIGN IDEAL FOR PROTECTING COMPONENTS WITHOUT DISCONNECTING THEM

F6® Woven Wrap has been engineered from the ground up to meet the demanding specifications of today's modern wiring harness industry. F6W utilizes many of the same characteristics as our original F6® split braided sleeving including the easy wrap around design and the extra overlap to insure complete protection of important electronic communication and power systems. The new woven construction provides superior elastic flexibility with unbeatable coverage over any harness assembly. Through a unique process, the blend of monofilament and multifilament polyester fibers are formed into a sleeving with memory that causes the sleeve to self-close, and also snap back when opened. Wire harness professionals will also appreciate the increased abrasion resistance F6W will provide to their cable assemblies.

#### SIZING CHART

| Nominal Size | Part #  | Wall Thickness | Overlap *A | *Put-Ups |      | Available Colors | Lbs/100' |
|--------------|---------|----------------|------------|----------|------|------------------|----------|
|              |         |                |            | M        | L    |                  |          |
| 1/8"         | F6W0.13 | .027"          | 40%        | 300'     | 900' | 3                | 0.57     |
| 3/16"        | F6W0.19 | .027"          | 51%        | 200'     | 600' | 3                | 0.98     |
| 1/4"         | F6W0.25 | .027"          | 44%        | 200'     | 450' | 3                | 1.10     |
| 5/16"        | F6W0.31 | .027"          | 40%        | 125'     | 325' | 3                | 1.30     |
| 3/8"         | F6W0.38 | .027"          | 41%        | 100'     | 225' | 3                | 1.50     |
| 1/2"         | F6W0.50 | .027"          | 35%        | 75'      | 150' | 3                | 1.80     |
| 5/8"         | F6W0.63 | .027"          | 30%        | 75'      | 125' | 3                | 2.10     |
| 3/4"         | F6W0.75 | .027"          | 28%        | 50'      | 100' | 3                | 2.40     |
| 1"           | F6W1.00 | .027"          | 26%        | 50'      | 75'  | 3                | 3.20     |
| 1 1/4"       | F6W1.25 | .027"          | --         | --       | --   | 1                | --       |
| 1 1/2"       | F6W1.50 | .027"          | 23%        | --       | 25'  | 3                | 4.50     |
| 1 3/4"       | F6W1.75 | .027"          | 23%        | --       | 10'  | 3                | 5.00     |
| 2"           | F6W2.00 | .027"          | 23%        | --       | 10'  | 3                | 6.00     |

\*Put-Ups: "M" = Shop Spool and "L" = Bulk Spool

#### FEATURES

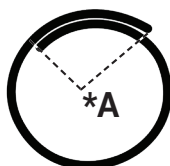
|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Material          | Polyethylene Terephthalate                                |
| Grade             | F6W                                                       |
| Filament Diameter | .009" Monofilament Polyester<br>1200 Denier Multifilament |
| Drawing Number    | TF001F6W-WD                                               |
| Cutting           | Hot Knife                                                 |

#### COLORS



Black (BK), White (WH), Carbon (CB)

#### CERTIFICATIONS



The Right Overlap  
For Your Harness

**TECHFLEX**  
Braided Sleeving Products



### ABRASION

|                                            |                 |
|--------------------------------------------|-----------------|
| Abrasion Resistance                        | <b>LOW</b>      |
| Abrasion Test Machine                      | Taber 5150      |
| Abrasion Test Wheel                        | Calibrase H-18  |
| Abrasion Test Load                         | 500g            |
| Room Temperature                           | 72°F            |
| Humidity                                   | 78%             |
| Moderate Scuffing Visible                  | 125 Test Cycles |
| Significant Scuffing, Braid Separated 20%  | 225 Test Cycles |
| Material Destroyed                         | 300 Test Cycles |
| Pre-Test Weight                            | 9,736.4 mg      |
| Post-Test Weight                           | 9,328.6 mg      |
| Test End Loss Of Mass Point Of Destruction | 407.8 mg        |

### PHYSICAL PROPERTIES

|                                            |             |
|--------------------------------------------|-------------|
| Filament Diameter - Monofilament Polyester | .009"       |
| - Multifilament                            | 1200 Denier |
| Flammability Rating                        | UL94        |
| Recommended Cutting                        | Hot Knife   |
| Colors                                     | 3           |
| Wall Thickness                             | .027"       |
| Tensile Strength (Yarn) (ASTM D-2256 Lbs)  | 6-10        |
| Specific Gravity (ASTM D-792)              | 1.38        |
| Moisture Absorption % (ASTM D-570)         | .1-.2       |
| Hard Vacuum Data (ASTM E-595 at 10-5 torr) |             |
| TML                                        | .19         |
| CVCM                                       | .00         |
| WVR                                        | .16         |
| Smoke D-Max (ASTM E-662)                   | 56          |
| Outgassing                                 | NA          |
| Oxygen Index (ASTM D-2863)                 | NA          |

### FLAMMABILITY

|        |        |
|--------|--------|
| Rating | UL94VO |
|--------|--------|

### OPERATING TEMPERATURES

|                          |               |
|--------------------------|---------------|
| Melt Point (ASTM D-2117) | 482°F / 250°C |
| Maximum Continuous       | 257°F / 125°C |
| Minimum Continuous       | -94°F / -70°C |

### CHEMICAL RESISTANCE

1=No Effect 2=Little Effect 3=Affected 4=More Affected 5=Severely Affected

|                              |      |
|------------------------------|------|
| Aromatic Solvents            | 2    |
| Aliphatic Solvents           | 1    |
| Chlorinated Solvents         | 3    |
| Weak Bases                   | 1    |
| Salts                        | 1    |
| Strong Bases                 | 2    |
| Salt Water (0-S-1926)        | 1    |
| Hydraulic Fluid (MIL-H-5606) | 1    |
| Lube Oil (MIL-L-7808)        | 1    |
| De-Icing Fluid (MIL-A-8243)  | 1    |
| Strong Acids                 | 3    |
| Strong Oxidants              | 2    |
| Esters/Ketones               | 1    |
| UV Light                     | 1    |
| Petroleum                    | 1    |
| Fungus (ASTM G-21)           | 1    |
| Halogen Free                 | Yes  |
| RoHS                         | Yes  |
| SVHC                         | None |