

957 FLEX-GUARD FPE/TW

SERIES *Tight Weave Expandable Fire-Retardant Monofilament Slewing*

DESCRIPTION

- Braided sleeving produced from specially formulated flame retardant polyester PET (Polyethylene Terephthalate) monofilament
- Tough yet lightweight protective sleeving
- Tightly woven for additional coverage
- UL recognized as a VW-1 component for use up to 125°C
- CSA approved and rated for use up to 125°C
- Standard color: Black with white crisscross tracer strands or White with black crisscross tracer strands

FEATURES

- Demonstrates excellent chemical and fungus resistance
- Provides good mechanical properties with additional coverage
- Resistance to abrasion and cut-through make it ideal for many industrial and electrical applications
- Excellent chemical resistance permits use in harsh fluid environments
- Passes most tests for low flammability, limited flame travel and self-extinguishing requirements
- Open weave construction allows expansion above or below original diameter
- Easy to apply and slip on quickly over irregular shapes
- Good flexibility retained at low temperatures, allows for easy flexing in any direction
- Can neatly capture a number of different sized items within one length



APPLICATIONS

- Most commonly used over wires, wire bundles and harnesses, cable assemblies, flat ribbon cable, tubing and hoses to provide a tough, durable protection
- Open weave construction allows for complete drainage, prevents condensation and provides for dissipation of heat and moisture
- Ideal for application in machine tools, automatic equipment and robotics where wires and tubes are required to flex freely during operating cycles
- Suitable for exposure to all weather conditions

DIMENSIONS	PART NUMBERS (COLOR: BLACK)	SIZE NOMINAL ID	SIZE RANGE	APPROX. WEIGHT/1000 FT.	STD. SPOOL PUT-UP
	95720250	1/4"	1/8" - 5/16"	3.6 lbs.	500 ft.
	95720500	1/2"	3/8" - 7/16"	8.4 lbs.	500 ft.
	95720750	3/4"	3/4" - 1-1/8"	12.3 lbs.	250 ft.
	95721250	1-1/4"	1-1/8" - 1-3/8"	15.2 lbs.	250 ft.
	95721500	1-1/2"	1-3/8" - 1-3/4"	22.0 lbs.	250 ft.
	95721750	1-3/4"	1-1/2" - 2-1/4"	27.0 lbs.	250 ft.

The information provided above represents average values and is believed to be reliable. Alta Technologies, Inc. makes no warranties as to its accuracy and disclaims any liability in connection with its use. It is provided for general use only and should not be incorporated into any specific specifications.

FLUID RESISTANCE

Testing verifies that there is virtually no effect on the tensile strength or elongation of FLEX-GUARD FPE/TW when exposed to the following fluids: Cleaning Fluid, De-Icing Fluid, Fuel Oil, Gasoline, Hydraulic Fluid, Lubricating Oil, Salt Water and Solvents



TESTING

PROPERTIES

Tensile Strength
Elongation
Specific Gravity
Moisture Absorption (24 hours)
Shrinkage @ 180°C
Max. Operating Temperature
Melt Temperature
Low Temperature Flexibility
Flammability
Flexural Modulus 10³ psi @ 73°F
Fungus Resistance
Copper Corrosivity

TEST METHOD

ASTM D-876
ASTM D-876
ASTM D-876
ASTM D-570
UL 224
ASTM D-2117
MIL I 23053-E
UL 224
ASTM D-790
MIL STD 810 (508)
MIL I 23053

PERFORMANCE

55,000 psi
25%
1.31
0.08%
4.2%
125°C
240°C
-70°C
VW-1/FR-1
410
No Growth
No Effect



ALTA TECHNOLOGIES, INC.

P.O. Box 100, Pennington, NJ 08534 | www.altatechinc.com | E: info@altatechinc.com | P: 609-538-9500 | F: 609-538-9501