

## Flame-retardant PET Expandable Braided Sleeving



**Model: FPETS**

### **Applications:**

Flame-retardant PET Expandable Braided Sleeving(FPETS) is designed from durable environment friendly PET monofilament yarns and the unique braided construction enables quick and easy installation over large connectors. These sleeveings are used in wire harnessing in industries, hose and cable protection for the automotive, heavy equipment and marine industries. And generally commercial applications such as personal computers, automotive, motorcycling, bicycling, flyfishing and scuba diving.

### **Features**

- >Flame-retardant
- >Easy, Cost & Labor Effective Installation
- >More Flexible Than Split Convolute or Spiral Wrap
- >Cuts easily with hot knife or scissor
- >Cut & abrasion resistant
- >25% Edge Overlap
- >Chemical inert
- >ROHS compliant
- >UV resistant
- >Cost effective wrap around solution
- >Retains shape & rigidity throughout operating temperature range  
(-40°C to 125°C)
- >Melt Temp 230°C

**Technical Data**

Property	Test Method	Typical Value
Tensile Strength	ASTM D-876	100,000 psi
Elongation	ASTM D-876	20%
Specific Gravity	ASTM D-876	1.31
Moisture Absorption(24 hours)	ASTM D-570	0.08%
Max.Operating Temperature	UL 224	125°C
Melt Temperature	ASTM D-2117	250°C
Low Temperature Flexibility	MIL I 23053/5	-70°C
Flexural Modulus	ASTM D-790	400
Fungus Resistance	MIL STD 810 (508)	No Growth
Copper Corrosivity	MIL I 23053	No Effect

**Specification:**

Size		Bundle Diameter		Description	Density
Inch	mm	Min.	Max.	X * Y * Z	
1/8"	3.2	3/32"	1/4"	40*1*0.25	12
1/4"	6.4	1/8"	7/16"	32*3*0.20	10
3/8"	9.5	3/16"	5/8"	48*3*0.20	9
1/2"	12.7	1/4"	3/4"	56*3*0.20	8
3/4"	19.1	1/2"	1-1/4"	72*3*0.20	9
1"	25.4	1"	2"	96*3*0.20	8
1-1/4"	29.0	3/4"	1-3/4"	96*3*0.25	8
1-1/2"	40.0	1"	2-1/2"	96*4*0.25	7
1-3/4"	45.0	1-1/4"	2-3/4"	120*3*0.25	7
2"	50.0	1-1/2"	3-1/2"	120*4*0.25	7

Remarks:

X \* Y \* Z : "X" means total quantity of the Carriers, "Y" means the quantity of the ends in one carrier, "Z" means the diameter(mm) of the end.