



EMF FR Sleeving Expandable Monofilament Sleeving Flame Retardant

WHAT IS EXPANDABLE SLEEVING?:

EMF is a tough, lightweight jacketing material for bundling wire or cable. It can be used as abrasion protection or as a cosmetic jacket for wire and cable groups. The sleeving is braided from individual strands of monofilaments to form a tube, which will expand in diameter to accommodate a wide range of wire/cable bundles. The nominal sizes and usable size ranges are listed below. Common uses include harness, cable assemblies, flat ribbon cable groupings, hoses, and tubing. The sleeving is durable enough to provide cut-through and abrasion resistance, and because it is an open weave design, it prevents condensation, and allows easy visual inspection. The expansion characteristic makes EMF easy to slip on, and the excellent flexibility makes it ideal for robotic and other continuous flex applications.

EMF-FR is braided from specially formulated flame retardant polyester monofilaments with a continuous operating temperature of 125°C, and excellent chemical and fungus resistance. The sleeving is UL recognized as a VW-1 component.

RDS Part Number	Nominal Size	Dimensional Data		Approximate Weight
		Diameter	Range	
				Lbs. / 1000 feet
EMF-FR- -125	1/8"	3/32"	1/4"	1.90
EMF-FR- -250	1/4"	1/8"	7/16"	2.70
EMF-FR- -375	3/8"	3/16"	5/8"	5.50
EMF-FR- -500	1/2"	1/4"	3/4"	7.50
EMF-FR- -750	3/4"	1/2"	1 1/4"	12.50
EMF-FR-1-250	1 1/4"	7/8"	1 3/8"	15.90
EMF-FR-1-500	1 1/2"	1"	2"	19.60
EMF-FR-1-750	1 3/4"	1 1/4"	2 3/4"	26.30
EMF-FR-2-000	2"	1 1/2"	3 1/2"	34.00
EMF-FR-2-500	2 1/2"	1 3/4"	4 1/2"	46.50

Standard color is Black with White crossing tracer strands for identification. It is also available in White with Black tracers by including a dash 9 (-9) after the standard part number.

For example: EMF-FR- -500-9 is 1/2" White flame retardant sleeving with black crossing tracers.

MONOFILAMENT PROPERTIES

Property		Method
Material Description	Flame Retardant Polyester PET	
Melt Temperature	240°C	ASTM D-2117
Operating Temperature	-70°C +125°C	UL 224
Agency Recognition	UL	
Flexibility	Excellent	
Flammability	Self Extinguishing	UL VW-1
Fungus resistance	No Growth	ASTM G-21