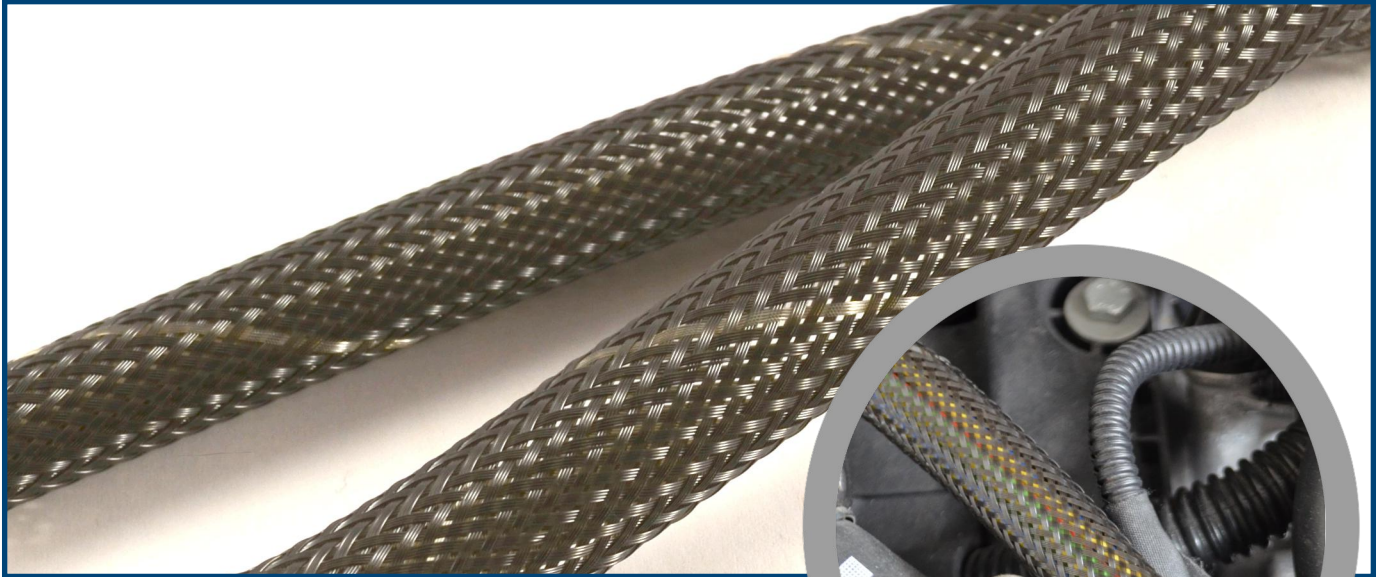
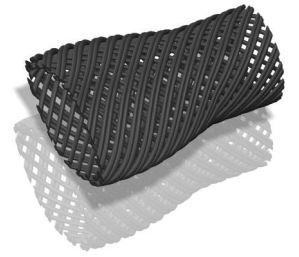


# Expandable Sleeve



## LANGOFLEX PPS

LANGOFLEX PPS is a high temperature, non-flammable and lightweight expandable sleeving made from 0.25mm diameter of polyphenylene sulfide (PPS) monofilament.

The open braid construction of the sleeving allows each size to expand and contract to slide easily over irregular shapes for a snug fit.

Also allowing a dissipation of heat and moisture, the open weave prevents condensation and provides complete drainage.

### **Application:**

LANGOFLEX PPS provides durable protection

over tubing, hoses, wires, wire bundles, wire harnesses, cable assemblies and flat ribbon cable.

LANGOFLEX PPS is extremely resistant to chemical attack and exhibits good resistance to cut-through, abrasion, chafing and fungus.

With low levels of toxicity, smoke generation and out-gassing, LANGOFLEX PPS is the ideal high temperature, flame resistant protective sleeve in aerospace, military, marine, electronic, fiber optic and telecommunication applications.



## Characteristics

**Colors:** black. A tracer can be added for material identification.

Physical properties	Specification	Unit	Value
Continuous temperature of use (3000h)	LV 312-3 6.7.2	°C (°F)	-40/+200 (-40/+392)
Short-term heat aging (240h/225°C (437°F))	LV 312-3 6.7.3	-	no visual changes. No tears, breaks, brittleness or other damages
Abrasion resistance	ISO 6722 LV 312-3 6.5.4	cycles	4493 630 (Class C)
Flammability	FMVSS 302 LV 312-3 6.6.2	class mm/min	A (non-flammable) 0,0

## Dimensions

Diameter is measured over a mandrel.

Length for cut pieces are measured in a relaxed position.

Designation	Nominal Ø (mm)	Application range (mm)	
		minimum	maximum
LANGOFLEX PPS 03	3	2.5	6
LANGOFLEX PPS 04	4	3	8.5
LANGOFLEX PPS 04	4	4	7
LANGOFLEX PPS 05	5	4	10
LANGOFLEX PPS 06	6	4	9
LANGOFLEX PPS 08	8	6	11
LANGOFLEX PPS 10	10	7	14
LANGOFLEX PPS 12	12	9	17
LANGOFLEX PPS 14	14	10	22
LANGOFLEX PPS 16	16	11	25
LANGOFLEX PPS 16	16	14	23
LANGOFLEX PPS 18	18	16	24
LANGOFLEX PPS 20	20	18	27
LANGOFLEX PPS 22	22	18	32
LANGOFLEX PPS 24	24	21	34
LANGOFLEX PPS 25	25	18	34
LANGOFLEX PPS 27	27	27	32
LANGOFLEX PPS 30	30	20	37
LANGOFLEX PPS 30	30	26	42
LANGOFLEX PPS 35	35	28	40
LANGOFLEX PPS 40	40	26	42
LANGOFLEX PPS 45	45	38	58
LANGOFLEX PPS 50	50	35	80
LANGOFLEX PPS 70	70	55	80

## Approvals

Direct: BMW, Ford, General Motors.

## Packaging

LANGOFLEX PPS is delivered in coils or in cut lengths upon request.

