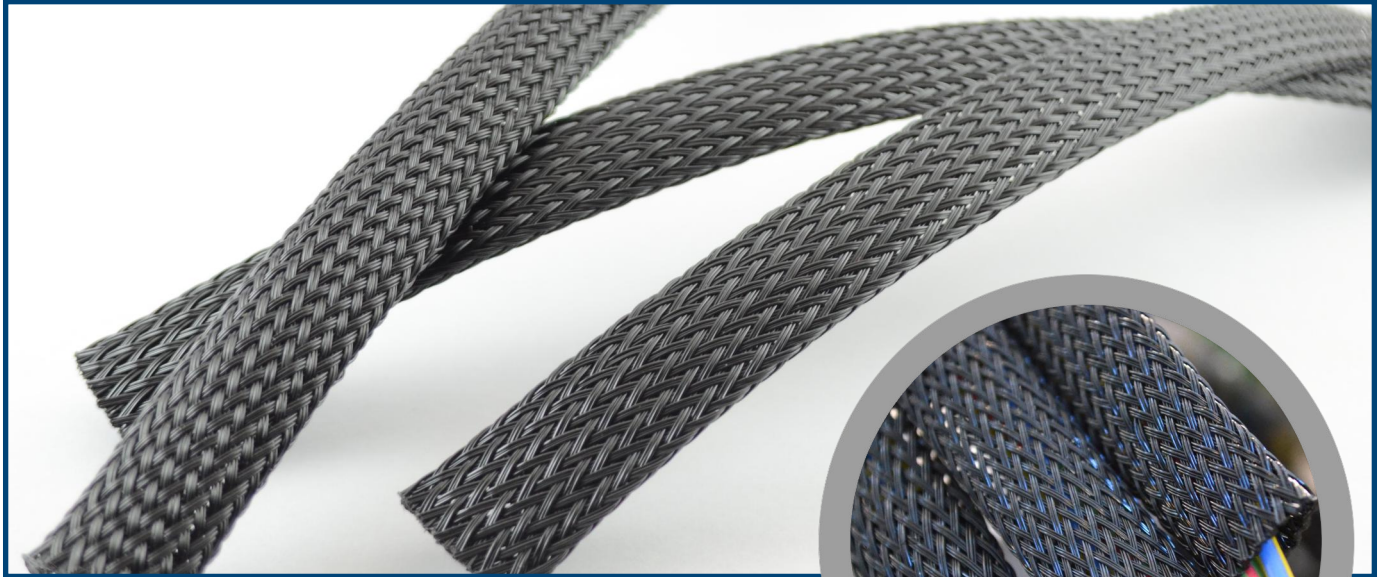
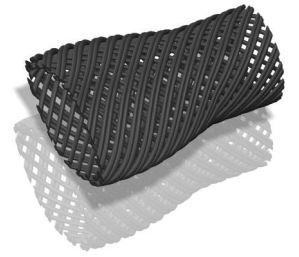


# Expandable Sleeve



## LANGOFLEX DP

The LANGOFLEX DP is made through a combination of braided PET (Polyethylene Terephthalate) monofilaments. It is an economical yet high-performance mechanical protection solution for cable harnesses.

**LANGOFLEX DP-L (Light):** a duo of PET braided monofilaments of 0.009" (0.23mm) and 0.012" (0.30mm) diameter. The relatively open weave of the monofilaments provides excellent drainage, while maintaining good abrasion resistance and reduced cost due to lower material content.

**LANGOFLEX DP-S (Standard):** a duo of PET braided monofilaments of 0.010" (0.25mm) and 0.015" (0.38mm) diameter.

Like the LANGOFLEX DP-L construction which provides excellent drainage, LANGOFLEX DP-S has an excellent abrasion resistance.

**LANGOFLEX DP-T (Tight):** a duo of PET braided monofilaments of 0.010" (0.25mm) and 0.015" (0.38mm) diameter.

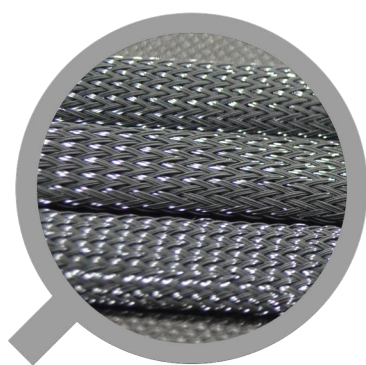
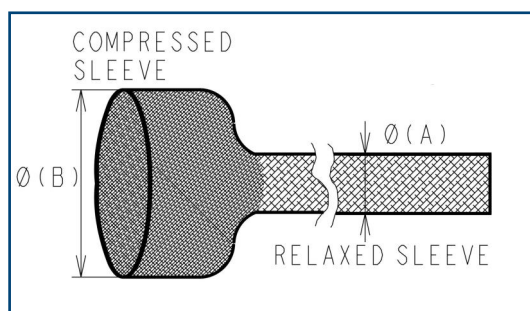
The tight weave construction still provides excellent drainage, while adding superior abrasion resistance over LANGOFLEX DP-S.

## Characteristics

Colors: black, other colors upon request.

Physical properties	Specification	Unit	LANGOFLEX DP-L	LANGOFLEX DP-S	LANGOFLEX DP-T
Continuous temperature of use (3000h)	-	°C (°F)	-40/150 (-40/302)	-40/150 (-40/302)	-40/150 (-40/302)
Peak temperature	-	°C (°F)	175 (347)	175 (347)	175 (347)
Melting point	-	°C (°F)	255 (491)	255 (491)	255 (491)
Abrasion resistance	ISO 6722 SAE ARP 1536	cycles	2730 (Class 2) 12879	15750 (Class 4) 57248	25325 (Class 4) 98164
Flammability	SAE J 369 D45 1333	-	self-extinguishing type B (self-extinguishing)	self-extinguishing type B (self-extinguishing)	self-extinguishing type B (self-extinguishing)
Chemical resistance	SAE J 2192 D47 1924	Resists to chemicals and automotive fluids (oils, coolant, battery liquid, brake fluid, gasoline, urea...)			

## Dimensions



Version	Designation	Nominal A Ø (mm)	Maximum B Ø (mm)	
LANGOFLEX DP-L	LANGOFLEX DP-L 06	6	11	
	LANGOFLEX DP-L 08	8	13	
	LANGOFLEX DP-L 10	10	16	
	LANGOFLEX DP-L 13	13	19	
	LANGOFLEX DP-L 16	16	25	
	LANGOFLEX DP-L 19	19	28	
	LANGOFLEX DP-L 32	32	50	
	LANGOFLEX DP-L 38	38	57	
	LANGOFLEX DP-S	LANGOFLEX DP-S 03	3	6
		LANGOFLEX DP-S 06	6	11
		LANGOFLEX DP-S 08	8	13
		LANGOFLEX DP-S 10	10	13
		LANGOFLEX DP-S 13	13	19
LANGOFLEX DP-S 16		16	25	
LANGOFLEX DP-S 19		19	32	
LANGOFLEX DP-S 22		22	41	
LANGOFLEX DP-S 25		25	48	
LANGOFLEX DP-S 32		32	57	
LANGOFLEX DP-S 38		38	57	
LANGOFLEX DP-S 42		42	64	
LANGOFLEX DP-S 44		44	70	
LANGOFLEX DP-S 50	50	76		
LANGOFLEX DP-S 63	63	76		
LANGOFLEX DP-S 76	76	89		
LANGOFLEX DP-T	LANGOFLEX DP-T 06	6	8	
	LANGOFLEX DP-T 08	8	13	
	LANGOFLEX DP-T 10	10	13	
	LANGOFLEX DP-T 13	13	16	
	LANGOFLEX DP-T 16	16	25	
	LANGOFLEX DP-T 19	19	28	
	LANGOFLEX DP-T 25	25	32	
	LANGOFLEX DP-T 32	32	38	
	LANGOFLEX DP-T 38	38	57	
	LANGOFLEX DP-T 44	44	63	
	LANGOFLEX DP-T 50	50	76	
	LANGOFLEX DP-T 63	63	76	

## Approvals

Direct: Chrysler, Ford, General Motors, Jaguar/Land Rover, Volkswagen Group, Volvo Cars Corp.

## Packaging

LANGOFLEX DP product range can be delivered in coils or in cut lengths upon request.

Data and photos for information only. Delfingen makes no warranties as to the accuracy or completeness of this information. Delfingen reserves the right to make changes in materials or processing without notification.

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