

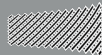
LANGOFLEX G-FR



LANGOFLEX G-FR



Mechanical & Abrasion Protection



Expandable Sleeving



Braided



PET .010" (0.25 mm) monofilament



Black with white tracer, white with black tracer



High: 150°C (302°F)



Options: Langoflex G: self-extinguishing version
Langoflex G-FR T: tight braid construction



**Mechanical and abrasion protection
Flame retardant**



UL File: UZKX2 - E131769

SP Category 583601 File # 092464

RoHS, REACH, CMRT

PHYSICAL PROPERTIES

Physical properties	Spec	Value
Maximum operating temperature	UL 224	150°C (302°F)
Melting temperature	ASTM D 2117	240°C (464°F)
Low temperature flexibility	MIL-I-23053	-70°C (-94°F)
Flammability	UL 224	VW-1/FR1
Thermal aging	ASTM D 3045	175°C (347°F) for 3 hrs
Tensile strength	ASTM D 876	100 000 psi
Elongation	ASTM D 876	25 %
Specific gravity	ASTM D 792	1.31 g/cm ³
Shrinkage @ 180°C	-	4.2 %
Flexural modulus psi @ 73°C	ASTM D 790	410000 psi
Moisture absorption 24 hrs	ASTM D 570	0.08 %
Fungus resistance	MIL-STD-810 (508)	no growth
Copper corrosiveness	MIL-I-23053	no effect
Chemical resistance	Resists the majority of chemicals and automotive fluids	

DIMENSIONS

Designation	Nominal Ø		Maximum Ø		Ends (per carrier)	
	inches	mm	inches	mm		
LANGOFLEX G-FR 1/8	1/8"	0.118	3	0.276	7	1
LANGOFLEX G-FR 1/4	1/4"	0.236	6	0.394	10	1
LANGOFLEX G-FR 1/4	1/4"	0.236	6	0.394	10	2
LANGOFLEX G-FR 5/16	5/16"	0.313	8	0.472	12	3
LANGOFLEX G-FR 3/8	3/8"	0.394	10	0.630	16	1
LANGOFLEX G-FR 3/8	3/8"	0.394	10	0.630	16	3
LANGOFLEX G-FR 1/2	1/2"	0.512	13	0.748	19	2
LANGOFLEX G-FR 1/2	1/2"	0.512	13	0.748	19	3
LANGOFLEX G-FR 3/4	3/4"	0.748	19	1.260	32	3
LANGOFLEX G-FR 1	1"	1.000	25	1.574	38	3
LANGOFLEX G-FR 1 1/4	1 1/4"	1.260	32	1.732	44	3
LANGOFLEX G-FR 1 3/4	1 3/4"	1.732	44	2.480	63	4
LANGOFLEX G-FR 2	2"	1.969	50	2.756	70	3
LANGOFLEX G-FR 2	2"	1.969	50	2.756	70	4
LANGOFLEX G-FR 2 1/2	2 1/2"	2.480	63	2.992	76	5
LANGOFLEX G-FR 2 1/2	2 1/2"	2.480	63	3.937	100	6

PACKAGING

Coils, Cut lengths upon request