

NU-GUARD EXPANDABLE PROTECTIVE OVERSLEEVE

PRODUCT	DESCRIPTION/CHARACTERISTICS	TEMPERATURE RANGE	SIZE RANGE NOMINAL I.D.	STANDARD COLORS	APPLICABLE STANDARDS	TYPICAL APPLICATIONS
NU-GUARD G	General purpose braided polyester made from .010" diameter PET (polyethylene terephthalate) monofilament. A tough, yet flexible and lightweight cylindrical sleeve providing good abrasion and cut-through resistance. NU-GUARD G is available in a fray resistant construction as required.	(-70° C to + 125° C)	1/8" (3.18 mm) to 3" (76.20 mm)	Black, Natural (Clear)	UL Recognized - File #E131769 CSA -File #LR92464 Ford E8ZB-18K459-AA, Ford E77H-18K459-AA, Ford E9TB-18K459-CA, Chrysler 4414566	Low cost, tough durable protection and encasement of wire harnesses, cable assemblies, and industrial hoses in various aerospace, automotive, commercial, electronic, and marine applications.
NU-GUARD FR	Flame retardant braided polyester made of specially formulated flame retardant .010" diameter PET (polyethylene terephthalate) monofilament. Combines the same excellent mechanical and chemical properties of NU-GUARD G with the addition of flame retardant and self-extinguishing features. NU-GUARD FR is available in a fray resistant construction as required.	(-70° C to + 125° C)	1/8" (3.18 mm) to 3" (76.20 mm)	Black or White with Contrasting Crisscross (X) Tracer Strands	UL Recognized - File #E131769 CSA -File #LR92464 UL VW-1/FR-1 Flame Retardant	Ideal protective oversleeve for aerospace, automotive, commercial, industrial, and military applications where flame resistance and self-extinguishing properties are required.
NU-GUARD HD	Heavy wall general purpose braided polyester made from .015" diameter PET (polyethylene terephthalate) monofilament. Same features and properties as the NU-GUARD G but with a 50% increase in the diameter of the monofilaments for increased abrasion and wear resistance.	(-70° C to + 125° C)	1/2" (12.70 mm) to 3" (76.20 mm)	Black	UL Recognized - File #E131769 CSA -File #LR92464 Ford E8ZB-18K459-AA, Ford E77H-18K459-AA, Ford E9TB-18K459-CA, Chrysler 4414566	Most suitable in commercial, industrial, and military applications where wire harnesses, cable assemblies, and hoses are subject to excessive abrasion and rough handling.
NU-GUARD DP-S	A combination of .015" heavy duty and .010" diameter PET (polyethylene terephthalate) monofilaments braided into a cylindrical sleeve for extended abrasion and wear resistance over NU-GUARD G.	(-70° C to + 125° C)	1/8" (3.18 mm) to 2" (50.80 mm)	Black	Ford E8ZB-18K459-AA, Ford E77H-18K459-AA, Ford E9TB-18K459-CA, Chrysler 4414566, Chrysler MSNA1-8	Economical choice for lightweight protective covering of high abrasion automotive, commercial, and industrial hoses and wire bundles.
NU-GUARD N	Braided of specially formulated .010" diameter Polyamide 6.6 monofilaments this nylon cylindrical sleeve features excellent chemical and fungus resistance. A tough, lightweight protective sleeve that provides good abrasion and cut-through resistance.	(-60° C to + 150° C)	1/8" (3.18 mm) to 3" (76.20 mm)	Black	ASTM D 876 UL 224 MIL I 23053	Resistance to most oils, salt water, fuel, cleaners, solvents, and chemicals makes it an ideal choice in machine tool, automotive equipment, and robotics applications, and in harsh environments.
NU-GUARD HR	Produced by braiding flexible and lightweight .011" diameter Halar* fluoropolymer monofilaments. The Ethylene Chlorotrifluoroethylene (ECTFE) copolymer monofilament sleeve exhibits high temperature and flame resistant properties, will not support combustion in open air, and will not melt or drip when exposed to open flame. It is also tough and abrasion resistant.	(-70° C to + 150°C)	1/8" (3.18 mm) to 2 1/2" (63.50 mm)	Black or White with Contrasting Single Diagonal Tracer Strand	ASTM D876 UL 224 VW-1/FR-1 Flame Retardant MIL I 23053	High temperature endurance and excellent resistance to flame, chemicals and moisture make it a reliable choice for bundling and protecting wires, cables, and hoses in critical aeronautical and military applications.
NU-GUARD PPS	A high temperature, lightweight protective sleeve made of .008" PolyPhenylene Sulfide (PPS) monofilaments that provides excellent resistance to chemical attack at elevated temperatures. Will not support combustion and will not melt or drip when exposed to open flame. Unaffected by most chemicals, solvents and cleaning agents.	(-70° C to + 200° C)	1/8" (3.18 mm) to 1 3/4" (44.45 mm)	Black, Natural (Tan)	ASTM D 876 UL94 V-0 Flame Rating FAR Part 25.853 Flammability	Lightweight, high temperature and flame resistant characteristics make it a good choice for crucial operations in aerospace, military, and marine applications.
NU-GUARD XT	Composed of specially blended .012" diameter HPA monofilaments braided to produce a cylindrical sleeve. Exceptionally tough, yet lightweight. Excellent abrasion resistance in high temperature environments. Outstanding resistance to fungus and chemicals.	(-60° C to + 240° C)	1/8" (3.18 mm) to 2 1/2" (63.50 mm)	Black	UL94 V-0 Flame Rating	Open weave construction provides for dissipation of heat and moisture, preventing moisture build up and retention. Used in automated equipment, harsh environments, and applications exposed to extreme weather conditions.
NU-GUARD NTW	Featuring enhanced wear resistance and fray reduction this protective over sleeve is made of highly flexible, tightly braided nylon multi-filament.	(-55° C to + 170° C)	1/8" (3.18 mm) to 4" (101.60 mm)	Black	MIL C 572 SAE ARP-1563-A ASTM D 876	Combines high flexibility and maximum abrasion resistance for use in military and aerospace applications - gyroscope cable assemblies. Ideal in automotive installations that rub against metal parts.
NU-GUARD SC-P	A scrolled woven polyester fabric made from a proprietary blend of textured multifilament and single strand polyester monofilaments to produce a self-closing, slit cylindrical sleeve. Lightweight, smooth and dense construction to provide strong abrasion resistance and protection from fluid flow.	(-70° C to + 125° C)	1/2" (12.7 mm) 3/4" (19.05 mm) 1 1/4" (31.75 mm)	Black	ASTM D 276 ASTM D 2256 FMVSS 302 Flammability SAE ARP 1536A Abrasion	Convenient installation and repair of wire bundles in automotive and industrial applications where conventional sleeving and tubing cannot be used due to the absence of a free end, or where wire breakouts are prevalent.
NU-GUARD SC-N	A scrolled woven nylon fabric made from a proprietary blend of textured multifilament and single strand nylon monofilaments to produce a self-closing slit cylindrical sleeve. Durable dense nylon construction provides excellent mechanical and fluid protection. Mold, mildew and fungus resistant.	(-70° C to + 150° C)	1/4" (6.35mm) to 1 1/2" (38.10 mm)	Black	ASTM D 638 ASTM D 2256 ASTM E 290 UL 224 SAE ARP-1563-A SAE J2192	Convenient installation and repair of wire bundles for applications where harsh environments or exposure to extreme weather conditions are of concern, and where conventional sleeving and tubing cannot be used due to the absence of a free end, or where wire breakouts are prevalent.
NU-GUARD SC-HT	A scrolled knitted fabric made from a proprietary blend of textured multifilament Basofil and Nomex and PPS with 2% Teflon monofilament to produce a self-closing slit cylindrical sleeve. Lightweight, heat and fluid resistant fabric with smooth, dense construction provides excellent mechanical and fluid protection at elevated temperatures.	(-70° C to + 200° C)	3/16" (4.76mm) to 1 1/2" (38.10 mm)	Camo Green with Neutral Tracer	FAR Part 25.853 Flammability EN6049-006	Durable, lightweight protection of wire bundles, wire harnesses, and cable assemblies where exposure to high heat, chafing, and abrasion are problematic in aerospace, automotive and industrial applications and where conventional sleeving and tubing cannot be used due to the absence of a free end, or where wire breakouts are prevalent.