



Product Highlights

- Operating temperature from -60°C to +220°C (-76°F to +428°F)
- Self-extinguishing per UL 1441/ VW-1
- Excellent barrier against splashes
- Excellent abrasion resistance
- Good pushback

GNS[®] is a tubular braided sleeve manufactured from Nomex[®] meta-aramid fiber with a silicone rubber coating.

This non-abrasive and liquid-splash repellent sleeve provides effective protection of wire and cable bundles against vibration and abrasion in the most diverse and aggressive environments.

Its construction allows the sleeve to be pulled up around 50% of its length to ease the maintenance of the circular connectors.

This flexible sleeve allows for easy installation over the cable bundles due to its sliding properties and ensures exceptional abrasion resistance even at high temperatures. It is designed for the mechanical protection of wire and cable bundles at very high temperatures and is mainly used in aeronautics and military industries.

Nomex is a registered trademark of E.I. DuPont de Nemours.



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – GNS®

Property	Test Method	Result
Operating temperature range		-60°C to +220°C (-76°F to +428°F)
Carbonization (Nomex layer)	Above +370°C (+698°F)	Does not melt
Flame resistance (Self-Extinguishing Properties)	FAR 25-32 § 25-853 (b) UL 1441	Pass Sleeve classified VW1
Flammability, smoke density, toxicity	EN45545-2	R22: HL3; R23: HL3
Protection against dust and water	EN60529	IP68
Fluid resistance Kerosene (JP4) Hydraulic Fluid	Pr EN3909	Pass Pass

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Product Specifications

Commercial Part Number	Recommended App. Range mm (in)		Wall Thickness mm (in)	Max Weight g/m (lbs/ft)	Standard Packaging m (ft)	NATO Specification
	Min Ø	Max Ø				
GNS 8-0	1 (1/32")	8 (5/16")	2 -0/+0.5	73.5 (0.049)	50 (164')	5970-14-468-7814
GNS 12-0	8 (5/16")	12 (7/16")	2 -0/+0.5	94.5 (0.063)	50 (164')	5970-14-468-7816
GNS 18-0	12 (7/16")	18 (11/16")	2 -0/+0.5	136.5 (0.092)	25 (82')	5970-14-468-7817

Part Numbering System

Example	Product Name	Size	Color	Quantity
	GNS	12	0 (black)	50 m



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600
 EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560
 Southeast Asia: (66) 35 276 400 • Korea: (82) 44 861 6368 • India: (91) 124 4784565
www.systemsprotection.com



For informational purposes only. SP makes no warranties as to the accuracy or completeness of the information provided herein and disclaims any liability in connection with its use. SP's only obligations are those provided in its terms and conditions of sale for this product, and SP will not be liable for any damages, whether direct or indirect, arising out of the use or misuse of this product. Users should undertake their own evaluations to determine the suitability of the product for specific applications. ©2024 Systems Protection - A Tenneco Company, manufacturer of Bentley-Harris protection products.