

PROTECTIVE SLEEVING

Expando[®] HTNS-LA/HO

1:3 Expansion ratio

thin wall braided sleeving

Applications

Expando HTNS-LA/HO is a thin-wall braided sleeve manufactured from meta aramid Nomex™. Its highly expandable structure allows easy installation over long lengths, even after the fitting of end connectors.

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Expando HTNS-LA/HO is flexible, expandable and non-flammable, ensuring excellent performance in the most diverse and aggressive environments. HTNS-LA/HO is designed for the protection of wire and cable bundles against flame, high temperatures and mechanical abrasion.

Expando HTNS-LA/HO has an oil and water repellent treatment (HO) to reduce humidity absorption and to improve impermeability to fluids. HTNS-LA/HO also offers excellent resistance to gamma and x-rays.

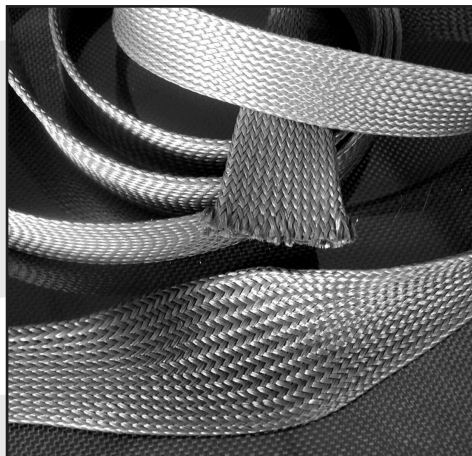
HTNS-LA/HO is used on a variety of applications in the military, marine, aeronautical, railway and electrical equipment industries.

Features & Benefits

- 1 : 3 expansion ratio
- Low temperature flexibility to -60°C
- Thin wall
- Lightweight
- Self-extinguishing
- Excellent abrasion protection
- Resistant to gamma & x-rays
- Oil and water repellent

Operating Temperature

- -60°C to +240°C



Approvals

- EN6049-004

Note: For further information on the Expando HTNS-LA/HO product range or assistance with your specific sleeving requirements, please contact us.



Technical Performance

Properties	Test	Results
Operating temperature range	-	-60°C to +240°C (continuous) Up to +310°C (short term)
Carbonisation	Above +370°C	Does not melt
Abrasion resistance	EN 6059 Part 403	Pass
Bending strength	50,000 bending cycles at +180°C	Excellent
Flame resistance (Self-extinguishing properties)	UL 224	Sleeve classified VW1
	UL 94	Base material classified V0
	FAR 25 AMDT.25-72§ 853(b)	Pass
Fluid resistance		
Fuel: JP5 (NATO F44)	EN 6059 Part 303 (24hrs with various temperatures)	Pass
Hydraulic fluids: Skydrol 500B4 & L D4		Pass
Mineral oil: MIL-L-7870A		Pass
Synthetic oil: MIL-L 23699		Pass
Cleaning fluids: Forane 141B & MIL-L-87936		Pass
De-Icing fluid: MIL-A-8243		Pass
Humidity resistance	1000h at +150°C in air saturated with water vapor	Retains 70% of its original tensile strength
Water/oil repellent treatment (HO)	EN 6059 Part 305	Pass

Note: Longitude shrinkage should be taken into account when utilizing the full expansion properties of the sleeve.

Expando HTNS-LA/HO Dimensions (all dimensions are in mm)

Recommended Diameter Range (mm)		Weight (g/100m)	Standard Packaging (m)	Ordering Description
Min.	Max.			
2	6	550	100	HTNS-LA-HO-5mm-Green
5	15	1100	100	HTNS-LA-HO-10mm-Green
8	24	1800	100	HTNS-LA-HO-15mm-Green
12	36	2200	50	HTNS-LA-HO-25mm-Green
22	60	3100	50	HTNS-LA-HO-40mm-Green

Ordering Information

Standard colour: Olive-green.
 Other Colours: Special colours are available, subject to a minimum order quantity.
 Ordering description: Specify product name, size and colour: HTNS-LA-HO-10mm-Green.
 Ordering Example: An olive-green protective sleeve capable of covering a 10mm cable diameter is required = HTNS-LA-HO-10mm-Green

