

Nomex Braided Sleeving



Braided Nomex Yarn

Nomex braided sleeving is manufactured by braiding Nomex yarn to produce a thick walled highly expandable structure. The ready “concertina” action of the sleeve will expand the bore and thus assisting fitting over complex shapes.

Nomex braided sleeving is light weight, flexible and non-flammable. It will perform without deterioration in the most diverse and demanding environments.

Nomex braided sleeving is oil and water repellent and also offers excellent resistance to gamma and x-rays.

Nomex braided sleeving is designed for the protection of wires and cable bundles against flame, high temperatures and mechanical abrasion. It is used on a variety of applications in the military, railway, marine, aeronautical and electrical equipment industries.

Features

- 1:3 expansion ratio
- Thin wall
- Lightweight
- Self-extinguishing
- Excellent abrasion protection
- Low temperature flexibility to -60°C

Operating Temperature

- -60°C to $+240^{\circ}\text{C}$

Technical Performance

Test Method	Property	Result
	Working Temperature	-60°C to +240°C continuous Up to +310°C short term
Above +370°C	Carbonisation	Does not melt
50,000 bending cycles at 180°C	Bending strength	Pass
UL224	Flame resistance	VW-1
UL94	Flame retardant FAR 25 AMDT.25-72	Base material Classified V0 Pass
EN6059 Part 303	Fluid resistance - Fuel: JP5 (NATO F44) - Hydraulic fluid - Skydrol 500B4 & L D4 - Mineral Oil: Mil-L-7870A - Synthetic Oil: MIL-L-23699 - Cleaning Fluid - De-icing fluid: MIL-A-8243	Pass Pass Pass Pass Pass Pass Pass
1000h at 150°C in air saturated with water vapour	Humidity resistance	Retains 70% of it's original tensile strength

VIDAFLEX ARAMID X Dimensions

Description	Nominal Diameter	Recommended Diameter Range		Standard Packaging
		Min	Max	
HILFLEX-NOMEX-4.0-5-SP	4mm	1.5mm	4.5mm	100M
HILFLEX-NOMEX-6.0-5-SP	6mm	3.5mm	10.5mm	100M
HILFLEX-NOMEX-8.0-5-SP	8mm	4mm	13mm	100M
HILFLEX-NOMEX-10.0-5-SP	10mm	7mm	17mm	100M
HILFLEX-NOMEX-15.0-5-SP	15mm	10mm	20mm	100M
HILFLEX-NOMEX-20.0-5-SP	20mm	12mm	25mm	100M

Note: Longitudinal shrinkage should be taken into account when utilising the full expansion properties of the sleeve

Other sizes are available on request
Standard colour - Nato Green

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