

Ara-Braid X

Ara-Braid X is manufactured by braiding Nomex™ Yarn to produce a thin walled highly expandable structure. The ready 'concertina' action of the sleeve will expand the bore and thus assisting fitting over complex shapes.

Ara-Braid X is light weight, flexible and non-flammable, it will perform without deterioration in the most diverse and demanding environments.

Ara-Braid X is oil and water repellent and also offers excellent resistance to gamma and x-rays.

Ara-Braid X 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°C

Technical Performance

Test Method

Above +370°C
50,000 bending
cycles at +180°C
UL224
UL94

EN6059 Part 303

1000h at 150°C in
air saturated with
water vapour

Property

Working Temperature

Carbonisation
Bending strength

Flame resistance
Flame retardant
FAR 25 AMDT.25-72

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

Humidity resistance

Result

-60°C to +240°C continuous
Up to +310°C short term
Does not melt
Pass

VW-1
Base material classified V0
Pass

Pass
Pass
Pass
Pass
Pass
Pass
Pass

Retains 70% of it's original
tensile strength

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Dimensions

Description	Nominal Diameter	Recommended Diameter Range		Standard Packaging
		Min	Max	
Ara-Braid X - 4	4mm	1.5mm	4.5mm	100M
Ara-Braid X - 6	6mm	3.5mm	10.5mm	100M
Ara-Braid X - 8	8mm	4mm	13mm	100M
Ara-Braid X - 10	10mm	7mm	17mm	100M
Ara-Braid X - 15	15mm	10mm	20mm	100M
Ara-Braid X - 20	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 - Olive Green