



Description

It is a flexible tubular expandable sleeving, braided with Nomex polyaryl-amide fibres. This light weight braided product exhibits an exceptional thermal stability and chemical, solvent and abrasion resistance. The sleeving retains its integrity at temperature over 254°C, (the melting point of nylon) or in presence of beta, gama and X-ray radiation or when exposed to high humidity or moisture. The high expansion allows the sleeving to be easily drawn on long lengths of wiring and cover a wide range of diameters with only few products sizes. The product is ideal of a wide range of applications such as military and aerospace wiring harnessing applications.

Features:

- It can be used for a wide range of applications such as military and aerospace wiring and harnessing applications
- High radiation resistance
- Light weight
- Wide operating temperature
- Heat resistance up to 371°C
- High abrasion and flexibility
- Maintains its properties in hostile environments
- Available in olive colour
- Supplied on reels

Specifications:

Working Temperature : Up to +245°C
Standard colour : Olive

Typical Properties at 21°C

Fiber : 200 deniers (220 dtex)
Limiting Oxygen Index : 29%
Tensile strength at break
 Conditioned at 65% RH : 4.4 cN / dtex
 Wet : 3.5 cN / dtex

Elongation at break
 Conditioned at 65% RH : 25%
 Wet : 16%

Initial modulus (at 100% elongation)
 Conditioned at 65% RH : 110 cN / dtex
Specific Gravity : 1.38

Coefficient of Linear Expansion
(Between 21 and 204°C) after
relaxed Heat-setting at 260°C : $2 \times 10^{-8} \text{cm} / (\text{cm } ^\circ\text{C})$

Thermal Conductivity : 0.13 W / (m.K)

Flame Resistance : Nomex does not melt or flow till 371°C

Chemical Resistance : Resistance to most mineral acids, organic acids, alkalis, bleaching agents, organic chemicals and salt solutions. Unaffected by freon, gasoline, jet fuel, ethylene glycol and methyl alcohol.

Part Number Table

Description	Size	Nominal Diameter	Colour	Reel Length	Part Number
Nomex, Braided Sleeving	1/4" (6.38mm)	6mm	Olive	328 ft (100 m)	NOMEX60EDB100R
	3/8" (9.53mm)	8mm		164 ft (50 m)	NOMEX80EDB50R
	1/2" (12.7mm)	10mm			NOMEX10OEDB50R
	5/8" (15.88mm)	15mm			NOMEX15OEDB50R
	3/4" (19.05mm)	20mm			NOMEX20OEDB50R

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