

# Braided Sleeving

pro-POWER

Nomex®

## 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 drab and Ivory colours
- Supplied on reels

It is a flexible tubular expandable sleeving, braided with nomex multifilament fibres. This light weight braided product exhibits an exceptional thermal stability and chemical, solvent and abrasion resistance. The sleeving retains its integrity at temperatures over 245°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 product sizes.

## Specifications:

Operating Temperature : -55°C to +245°C  
Limiting Oxygen Index : 29%

### Technical Characteristics

Fibre : 200 deniers (220 dtex)  
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 :  $2 \times 10^{-8}$  cm / (cm °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

## Specification Table

Nominal Diameter	Range of Use Advised		Reel Length (m)	Construction		Colour	Part Number
	Minimum	Maximum		Number of Yarns	Weight (g / 100 m)		
20	12	24	50	720	900	Olive Drab	NOMEX20OEDB50R

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